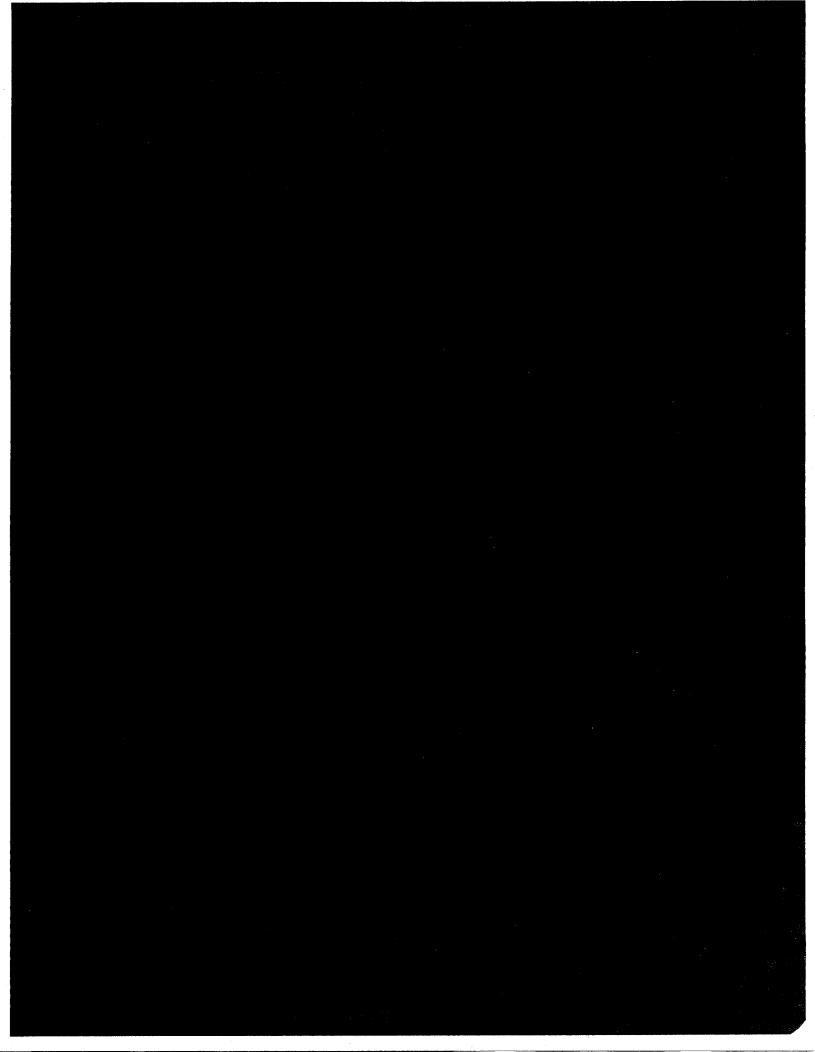
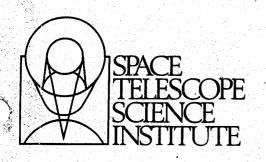
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Hubble Space Telescope The GO and GTO Observing Programs

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Version 1.0 May 1990

Revision History

Version 1.0 May 1990; prepared by Abhijit Saha

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UITL: Hubble Space Telescope: The GG and GTO Observing Programs. Version 1.0

AUTH: A/SAHA, ABHIJIT

CORP: Space Telescope Science Inst., Baltimore, MD.

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CIO: UNITED STATES

MAJS: /*HUBBLE SPACE TELESCOPE/*MISSION PLANNING/*SPACEBORNE ASTRONOMY

MINS: / ABSTRACTS/ EXPOSURE/ TARGETS

ABA: Author

ABS: Selected information from the current Hubble Space Telescope (HST) science programs for the Guaranteed Time Observers (GTO's) and General Observers (80°s) is presented. Included are program abstracts, detailed listings of specific targets, and exposure information.

ENTER:

THE GO AND GTO OBSERVING PROGRAMS

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THE GO AND GTO OBSERVING PROGRAMS

1. Introduction

This document contains selected information from the current HST science programs for the Guaranteed Time Observers (GTOs) and General Observers (GOs). Included are program abstracts, detailed listings of specific targets, and exposure information. For an explanation of GTO and GO science program duplication policies and data rights see Sections 3.6 and 7.5 in the Cycle 2 Call for Proposals, May 1990.

These catalogs may be updated slightly before the Cycle 2 Telescope Allocation Committee (TAC) meeting. Any comments or questions regarding this document may be directed to the User Support Branch at the STScI.

2. The GTO and GO Catalogs - Overview

The GTO catalog contains the observations for Cycles 0 through 3 that were originally submitted to STScI by April 1, 1985, and subsequently modified by January 31, 1990. The GO catalog contains the programs submitted to STScI by October 1, 1988, for consideration by the TAC in April 1989 (which, for historical reasons, is denoted as "Semester 87A" in the catalogs). Only the GO programs which were recommended by TAC and approved by the STScI Director (and subsequently modified through January 31, 1990) are reported here. Although the observations of "generic targets" are not protected, they are included in the catalogs as an illustration of the scientific goals of the programs that contain them.

The catalogs contain two parts: 1) Abstracts of all GTO and GO programs, as written by the proposers, arranged by program ID number; and 2) Exposure list of the specific targets, arranged in order of J2000 right ascension when coordinates are available, and alphabetically by target name for generic and solar-system targets. The detailed contents of these two parts are discussed below. The exposures are listed separately for GTO and GO programs.

2.1 Abstracts

Section 3 of this document contains the abstract catalogs for the GTO and GO programs, and provides the program ID number, title, Principal and Co-Investigators and Institutions, scientific category and subcategory, and a concise abstract (as provided by the proposers) for each program. There are instances where it has been necessary to split large programs into two or more separate parts with different ID numbers; the abstracts for these programs may appear identical.

2.2 Exposures

Section 4 of this document contains the merged exposure list for all GTO programs, and a separately merged list for all GO programs. It is subdivided into four subsections: i) Fixed-target observations, ordered by right ascension; ii) Solar-system observations; iii) Generic-target observations; iv) Parallel-target observations. For each exposure the table displays the following quantities:

- Column 1: Target name.
- Column 2: Right ascension (in hours, minutes, and seconds of time; precessed to year 2000) as provided by the observer. When not specified by the observer, the year of the equinox for the coordinates was assumed to be 1950.0 before the precession was calculated. Generic and solar-system targets are denoted by (G) and (S) respectively.
- Column 3: Declination (in degrees, minutes, and seconds of arc, precessed to year 2000) as provided by the observer. When not specified by the observer, the year of the equinox for the coordinates was assumed to be 1950.0 before the precession was calculated. An asterisk at the end of this column indicates that the coordinates were calculated relative to an offset target defined by the observer.
- Column 4: Instrument and instrument configuration with which the target is to be observed.
- Column 5: Operating mode for the observation.
- Column 6: Aperture or field of view used for observation.
- Column 7: Spectral elements (including filters, gratings, polarizers, etc.).

- Column 8: Central wavelength or range when a grating or prism is used (in Å in the observer's frame).
- Column 9: Number of exposures, as specified in the original proposal.
- Column 10: Exposure time in seconds; in all cases it is the time requested for an individual exposure (Note: the exposure time does not refer to any internal segment of time such as STEP-TIME or SAMPLE-TIME that may be used in some high-time-resolution observations).
- Column 11: ID number of the program (for reference to the corresponding Abstract Catalog, section 3).
- Column 12: The cycle in which the exposure is to be obtained.
- Column 13: This column flags the presence of some of the special requirements relevant to the exposure, *i.e.*, ACQUISITION (ACQ), CALIBRATION (CAL), CONDITIONAL (COND), SELECT (SEL), and PARALLEL (PAR).
- Column 14: Number of times that the observations specified in this line will be executed. Typically, these repeats are executed at different epochs preselected by the observers.

The exposures that are marked with either COND (conditional) or SEL (select) are not protected in a strict sense, because only a fraction of them will actually be selected by the observers for execution. However, new GO proposals for these observations will be carefully reviewed by TAC, and a close scientific match may result in a lower ranking in view of limited HST resources.

3.0 THE ABSTRACT CATALOG

3.1 GTO PROGRAMS

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ABSTRACT CATALOG FOR GTO PROPOSALS

KEY:

KP = Key Project
LP = Large Project
LT = Long Term Program
CT = Continuation Program
GTO/AST = GTO Astrometry Team Programs
GTO/FOC = GTO FOC Team Programs
GTO/FOS = GTO FOS Team Programs
GTO/HRS = GTO GHRS Team Programs
GTO/HSP = GTO HSP Team Programs
GTO/WFPC = GTO WF/PC Team Programs
GTO/OS = GTO Observatory Scientist Programs

Prop. Type: GTO/AST

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (ASTROMETRY) --

1003- LT - "ASTROMETRIC COMPANION SEARCH "

Keywords: LOW-MASS COMPANIONS; 'UNSEEN' COMPANIONS; ASTROMETRIC

COMPANIONS; STELLAR PERTURBATONS; EXTRASOLAR PLANETS

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

One of groundbased, long-focus photographic astrometry's most challenging and most challenged research activities has been the search for "unseen" companions to nearby stars based upon analyses of perturbations in their observed proper motions. We propose to examine with FGS in the trans/moving mode six late-type dwarf stars claimed to have low-mass companions of magnitudes and angular separations such as to make direct detection by FGS scans feasible. Any direct detection would not only extend importantly our knowledge on stars of very low mass and luminosity, but would also provide proof of the validity of a classical observational technique widely used in searches for other planetary systems.

Prop. Type: GTO/AST Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (ASTROMETRY) --

1004- LT - "DUPLICITY AMONG HYADES STARS "

Keywords : DUPLICITY; BINARIES; MULTIPLE STARS; HYADES

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P.Hemenway (Texas, University Of), P.Shelus (Texas,

University Of)

We propose to use FGS in the trans/moving mode to examine, at high angular resolution, a representative sample of probable Hyades cluster members in an effort to establish the incidence of duplicity among Hyades stars. The frequency of multiple stars in stellar systems and populations represents a significant aspect of star formation and stellar evolution. Among Hyades stars brighter than V ~ 12.0, companions should be observable to Delta m ~ 2. Binaries of small Delta m should be readily detectable at V ~ 15. Any multiple stars found will be reobserved in an effort to detect orbital motion.

Prop. Type: GTO/AST Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) --

1009- LT - "PARALLAXES OF HYADES CLUSTER MEMBERS "

Keywords: HYADES, DISTANCE SCALE, POP I, PROPER MOTIONS

Proposers: William H Jefferys (PI; University Of Texas), G.Benedict (Texas,

University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P.Hemenway (Texas, University Of), P.Shelus (Texas, University Of)

The goal of this project is to determine trigonometric parall Hyades cluster members and to define the Population I zero ag The ZAMS is used to determine the distances to open clusters the zero point of the Cepheid Period-Luminosity relationship, fundamental distance indicator in the universe. A secondary g project is to search for new Hyades cluster members which mig the 25th magnitude, or M(v)=22. This part of the project will through coordinated parallel observations with the WFC to det motions of very faint stars over a one year base line. FGS parallax observations of the thirteen Hyades members shou in the distance modulus of the Hyades Cluster good to approxi This accuracy should be sufficient to eliminate the Hyades as in determining the galactic distance scale.

Prop. Type: GTO/AST

Selection Cycle : 87A

SOLAR SYSTEM -- (RELATIVITY/OCCULT) --

1010 - "GRAVITATIONAL DEFLECTION OF LIGHT (BY JUPITER) "

Keywords: GRAVITATION; RELATIVITY

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R. Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P.Hemenway (Texas, University Of), P.Shelus (Texas,

University Of)

We propose to measure the gravitational deflection of light by Jupiter. This will extend this classical test of general relativity to a mass regime three orders of magnitude lower than previously possible, with an expected accuracy of a few percent.

Prop. Type: GTO/AST

Selection Cycle : 87A

GALAXIES CLUSTERS -- (STRUCTURE) --1012 - "HIGH-RESOLUTION SURFACE PHOTOMETRY OF NGC 4314"

Keywords: GALAXIES, BARRED GALAXIES, PECULIAR GALAXIES, NUCLEAR RINGS Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R. Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P.Hemenway (Texas, University Of), P.Shelus (Texas,

University Of)

We propose to obtain ST WF/PC surface photometry of NGC 4314. NGC 4314 exhibits anomalous nuclear activity indicative of on-going star formation. Multicolor surface photometry with 0.1 to 0.4 arcsec resolution will afford an opportunity to explore the global interrelationships between gas clouds, dust, star formation, and stellar populations with detail never before obtained. The expected maximum resolution for for NGC 4314 is 15 parsecs.

Prop. Type: GTO/AST

Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) -- 1013- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PART ONE OF FIVE - PROPOSAL 1013 (WFPC OBSERVATIONS)"

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTERNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin),

J. Westphal (California Institute Of Technology)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs,

and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/AST

Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS) --1014- LT - "OBSERVATIONS OF MINOR PLANETS AT CROSSING POINTS FOR COORDINATE SYSTEM STUDIES (OMP)"

Keywords: FUNDAMENTAL ASTROMETRY, MINOR PLANET DYNAMICS RELATIVITY,

HIPPARCOS

Proposers: William H Jeffereys (PI; University Of Texas At Austin),

G.Benedict (University Of Texas At Austin), R.Duncombe (University Of Texas At Austin), O.Franz (Lowell Observatory), L.Fredrick (University Of Virginia), P.Hemenway (University Of

Texas At Austin), P.Shelus (University Of Texas At Austin)

The goal of this project is to determine systematic corrections to the Fundamental Coordinate System and to aid in the formation of a dynamical basis for future revisions of the System. Observations of relative positions are intrinsically more accurate than absolute positions, because of the global nature of the latter. Crossing points provide a means of bringing the relative positional accuracy to bear on global problems. The technique is being applied to small minor planets to provide a more accurate coordinate system, to study small effects in the gravitational field of the solar system, and to look for differences between a dynamical (inertial) and extragalactic reference frame. The FGS accuracy of 0.002 per observation is expected to be an order of magnitude better than a comparable ground based measurement. Some benefits to accrue from these studies are (a) improved galactic dynamics (b) an improved basis for absolute parallaxes, and (c) the determination of the rotation of the HIPPARCOS reference frame with respect to a dynamical frame directly.

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) --

1015 - "IMAGING AND SPECTROSCOPY OF A COMPLETE SAMPLE OF BRIGHT NEARBY QUASARS: I. IMAGING"

Keywords: QUASARS, IMAGING, MORPHOLOGY, HOST GALAXIES

Proposers: John N. Bahcall (PI; Institute For Advanced Study), D. Schneider

(Institute For Advanced Study)

A complete sample of 14 Palomar Green quasars will be imaged with the WFC. The sample includes all PG quasars with MB $\langle = -25.0 \text{ mag} \text{ and } z \langle = 0.35. \text{ For} \rangle$ comparison, we will image a sample of 8 less bright PG quasars (with z >= 0.158 and MB = -24.25 + /- 0.25 mag) to see if the galaxy morphology depends sensitively upon the quasar absolute magnitude. We will also image two intrinsically bright quasars at z ~= 0.5 to test for evidence of evolution. The morphology of the host galaxies is not discernible - in the presence of a bright center source (quasar) - with ground based observations, but will be determined with ST unless the galaxies are unexpectedly faint.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1016 - "LUMINOSITY FUNCTION AND TIDAL RADII OF GLOBULAR CLUSTERS IN VIRGO AND FORNAX"

Keywords: GLOBULAR CLUSTER, EXTRAGALACTIC, IMAGING, LUMINOSITY FUNCTION,

TIDAL RADII

Proposers: John N. Bahcall (PI; Institute For Advanced Study), K.Freeman

(Mt. Stromlo And Siding Spring Observatory; Australia)

These observations will determine the luminosity functions and tidal radii of globular clusters around 3 galaxies (NGC 4472, NGC 4374, and NGC 4526) in the Virgo cluster of galaxies and 3 galaxies (NGC 1380, NGC 1399, and NGC 1404) in the Fornax cluster of galaxies. ST observations are required in order to reach the faint limiting magnitudes that are necessary to provide sufficient spatial resolution to permit accurate photometry.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1017 - "STELLAR CONTENT OF NGC 6121 AND NGC 6397 "

Keywords: GLOBULAR CLUSTER, GALACTIC, IMAGING, WHITE DWARF, DWARF, STELLAR

POPULATION

Proposers: John N. Bahcall (PI; Institute For Advanced Study), J. Westphal

(Caltech)

The stellar content of the cores of the globular clusters NGC 6121 and NGC 6397 will be determined using the WFC. Of special interest will be the observed numbers of white dwarfs, the other ultra-violet excess stars, and the faint red dwarfs. ST observations are needed in order to reach the

required faint apparent magnitudes and to provide sufficient spatial resolution to allow accurate photometry.

Prop. Type: GTO/OS

Selection Cycle : 87A

QUASARS _AGN -- (QUASAR EMISSION) --

1018 - "IMAGING AND SPECTROSCOPY OF A COMPLETE SAMPLE OF BRIGHT NEARBY QUASARS:

II. SPECTROSCOPY"

Keywords: QUASAR, SPECTROSCOPY, EMISSION LINES, ABSORPTION LINES,

INTERGÁLACTIC, HOST GALAXY

Proposers: John N. Bahcall (PI; Institute For Advanced Study), R. Green

(Noao, Kitt Peak National Observatory), D.Schneider (Institute

For Advanced Study)

FOS spectra will be obtained for seven optically bright PG quasars [3C 273, PG 0953+415, PG 1116+215, PKS 1302-102, PG 1700+518, GQ Com, and 3C 249.1] with Mb </=-25.0 mag and z </=0.35, as well as V </=15.7 mag. The spectra will be analyzed for both absorption and emission features. ST observations are required because the spectral features of greatest interest in these small redshift objects are in the far ultraviolet, inaccessible from the ground.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --1019 - "THE STELLAR DENSITY DISTRIBUTIONS IN THE CENTERS OF GALACTIC GLOBULAR CLUSTERS"

Keywords: GLOBULAR CLUSTER, POPULATION II, BLACK HOLE

Proposers: John N. Bahcall (PI; Institute For Advanced Study)

Short exposures will be made of all galactic globular clusters with distance moduli less than 15.5 mag and galactic latitude above or below 15 degrees. A search will be made for cusps in the stellar density distributions and the colors will be measured for the brightest stars in the cores of the clusters. ST observations are required in order to reach the innermost regions of the clusters with sufficient resolution to separate individual stars.

Selection Cycle

: 87A

STELLAR POPULATIONS -- (GALACTIC HALO) --

1020 - "FAINT STARS AND GALAXIES IN SA 57 AND SA 68 "

Keywords: STAR COUNTS; STRUCTURE OF THE GALAXY; DEEP GALAXY COUNTS; GALAXY

HALO

Proposers: John N. Bahcall (PI; Institute For Advanced Study), D.Koo (Space

Telescope Science Institute), R.Kron (Chicago, University Of),

D.Schneider (Institute For Advanced Study)

Two selected area fields, one in SA 57 and one in SA 68, that have guide stars accessible for any telescope roll angle are proposed for study with deep WFC exposures. The results will compared with surveys of the same fields in x-ray, optical (from the ground), infrared, and radio wavelengths. The star counts will be used together with the Bahcall and Soneira Galaxy model to determine if the massive halo of the Galaxy is composed of stars that burn hydrogen. ST observations are required to discriminate between stars and galaxies at the faint magnitudes of interest.

Prop. Type: GTO/OS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) --

1022 - "DO GALAXIES PRODUCE QUASAR ABSORPTION LINES? "

Keywords: QUASAR, SPECTROSCOPY, ABSORPTION LINE, GALAXY, GRAVITATIONAL

LENS

Proposers: John N. Bahcall (PI; Institute For Advanced Study), K.Ratnatunga

(Institute For Advanced Study)

SPECTRA WILL BE OBTAINED WITH THE FOS FOR A NUMBER OF QUASARS THAT HAVE A SMALL ANGULAR SEPARATION ON THE SKY FROM GALAXIES OR GALAXY VOIDS, INCLUDING MARK 205, 3C 232, PKS 2020-370, THE GRAVITATIONALLY LENSED QUASAR, 2237+0305, 4 OBJECTS BEHIND THE BOOTES GALAXY VOID, US 1329 (BEHIND THE BAHCALL-SONEIRA GALAXY VOID), AND 5C 03.44 (BEHIND M 31). THE SPECTRA WILL BE USED TO TEST THE HYPOTHESIS THAT SOME METALLIC QUASAR ABSORPTION SYSTEMS ARE CAUSED BY VERY LARGE GALAXY HALOS OR DISKS. WF/PC IMAGES WILL ALSO BE OBTAINED OF THE LENSING GALAXY, 2237+0305, IN ORDER TO LOCATE ACCURATELY THE QUASAR POSITION AND MEASURE THE SURFACE BRIGHTNESS OF THE INNER REGION OF THE GALAXY. ST OBSERVATIONS ARE REQUIRED BECAUSE, FOR THE SMALL REDSHIFTS AT WHICH GALAXIES WITH LARGE ANGULAR SIZE ARE FOUND, THE RESONANT ATOMIC LINES ARE IN THE ULTRAVIOLET.

Selection Cycle : 87A Prop. Type: GTO/OS

> QUASARS AGN -- (QUASAR ABSORPTION) --

1024 - "DO RICH CLUSTERS OF GALAXIES PRODUCE QUASAR ABSORPTION LINES? " Keywords: QUASARS, SPECTROSCOPY, ABSORPTION LINES, NEARBY GALAXY CLUSTER,

INTERGALACTIC

Proposers: John N. Bahcall (PI; Institute For Advanced Study), R. Green

(Noao, Kitt Peak National Observatory), K. Ratnatunga (Institute

For Advanced Study)

Five quasars [NAB 0024+22, PKS 0003+15, UM 381, UM 324, and A0 1058+11] that lie behind rich clusters of galaxies will be studied spectroscopically with the FOS to see if the clusters produce ultraviolet absorption lines. All of the quasar spectra will be used also to help determine the statistics of quasar absorption lines, the main goal of the GTO proposal "Evolution of Lyman-alpha and C IV Absorption Systems" (J. Bahcall, PI). ST observations are required in order to observe the ultraviolet absorption lines that may be produced by the nearby rich clusters of galaxies.

Prop. Type: GTO/OS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) -- 1025 - "EVOLUTION OF LYMAN-ALPHA AND CIV ABSORPTON SYSTEMS "

Keywords: QUASAR, SPECTROSCOPY, ABSORPTION LINES, EMISSION LINES,

EVOLUTION

Proposers: John N. Bahcall (PI; Institute For Advanced Study), R.Green

(Noao, Kitt Peak National Observatory)

The evolution of Lyman-alpha and CIV absorption line systems in quasar spectra will be investigated using 21 optically bright quasars with a wide range of redshifts; the wavelength at which the Lyman cutoff appears will also be determined. All of the prominent emission and absorption lines will be measured. ST observations are required because the spectral features of interest are in the far ultraviolet, inaccessible from the ground.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN

QUASARS AGN -- (
1026 - "UV SPECTRA OF LOW-REDSHIFT-QSOS (FOS-1) "
Keywords: UV SPECTRA, LOW-Z QSOS, EMISSION LINES, LYMAN ALPHA ABSORPTIONS,

NEARBY GALAXIES, EVOLUTION.

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona,

University Of), F. Bartko (Martin Marietta Corporation), E. Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

Three main scientific goals are to determine the emission-line properties

in the UV of low-z QSOs, to look for L alpha -forest absorption shortward of L alpha emission to examine evolutionary effects, and to observe L alpha absorption in QSOs which have known metallic-line narrow absorption-line systems at z(absorption) << z(emission). There are objects of special interest included in the sample (e.g. 1548 + 114 A, B).

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN -- (1027 - "UV SPECTRA OF QSOS WITH Z > 3.1 "

Keywords: HIGH REDSHIFT QSOS; HELIUM, INTERGALACTIC HELIUM.

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

Observe for the first time the extreme UV rest spectrum of QSOs with z > 3.1, to examine HeI and HeII in absorption and/or emission; perform Gunn-Peterson test for smooth intergalactic helium, determine and compare density of Lyman alpha forests of narrow absorptions per unit z; look for correlations of strongest narrow Lyman alpha absorptions with narrow helium absorptions; look for associated or intervening galaxies.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN

1028 - "SPECTRA AT LAMBDA <3000 ANGSTROMS FOR QSOS WITH Z~2 (FOS 3) "

Keywords: QUASARS, REDSHIFTS, LYMAN ALPHA ABSORPTIONS, INTERVENING CLOUDS

OR GALAXIES.

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

Scientific goals are to determine and compare the density and density evolution of Lyman alpha forests of narrow absorptions per unit z over an extended range of Lambda (Lalpha emission). Some of the target objects combine an apparent wide range of L alpha absorption densities just shortward of L alpha emission with the presence of one or many narrow metallic absorption systems at z(absorption) << z(emission), and we shall look for intervening galaxies.

Selection Cycle

: 87A

QUASARS AGN

1029 - "SPECTROPOLARIMETRY OF QSOS, BLAZARS AND AGN "

Keywords: QSOS, BLAZARS, SEYFERT, AGN, POLARIZATION

Proposers: J. Roger P Angel (PI; University Of Arizona), F.Bartko (Martin

Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Johns Hopkins

University), R. Harms (Applied Research Corporation), B. Margon

(Washington, University Of)

Measurement of the spectrum of polarization has proven to be a powerful tool in deciphering emission processes and source geometry in AGN. This program will extend these observations into the UV below 3000A.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN

1030 - "GRAVITATIONALLY LENSED QSOS "
Keywords · CDAVITATIONALLY DESCRIPTIONS OF THE CONTRACTOR OF THE

Keywords: GRAVITATIONAL LENSES, QUASARS, UV ABSORPTION LINES.

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

In two "gravitational lensing" multiple QSOs, we plan both to detect and study both new stellar images and diffuse lensing galaxies. We shall ascertain whether the UV spectra of the images are identical, while searching for absorption lines (especially Lyman alpha) which might exhibit differences and hence give information on sizes of absorbing clouds.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN 1031 - "FOS SPECTROPHOTOMETRY OF 3C273'S JET, IONIZED GAS, AND HOST GALAXY (FOS 9) #

Keywords: QUASAR, JET, IONIZED GAS, HOST GALAXY

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

We plan to use the FOS to measure the energy distribution in a knot in the jet from the optical to Ly-alpha in order to measure the spectral index and to look for emission and absorption features. We will take WF/PC pictures in the light of redshifted CIV 1549 and with the red grism to isolate ionized gas near 3C273. We will use the FOS with small apertures to measure the physical characteristics of the ionized gas. We will use the FOS with an occulting aperture to take spectra of the underlying host galaxy.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN

1032 - "QSO NEBULOSITY AND HOST GALAXIES (FOS NO. 10A) " Keywords: QUASAR, HOST GALAXY, NEBULOSITY, JETS

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

WF/PC images will be taken of a sample of quasars to identify and type host galaxies and to look for environmental factors, such as interactions, which may contribute to the quasar phenomenon. FOS spectra will be taken of host galaxies and any interesting nebulosity, such as jets and filaments, which appear associated with the quasars. Our target list is strongly influenced by recent findings that quasar fuzz spectra correlate well with radio properties.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN 1033 - "SEARCH FOR MISDIRECTED BL LAC OBJECTS "

Keywords : BL LAC OBJECTS, RELATIVISTIC BEAMS, RADIO GALAXIES

Proposers: J. Roger P Angel (PI; University Of Arizona), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space

Telescope Science Institute), E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Johns Hopkins University), R. Harms (Applied Research Corporation), B. Margon

(University Of Washington)

FOC images will be obtained in the UV and visible of galaxies whose isotropic properties are the same as those of BL Lac objects. A search will be made for weak unresolved UV nuclei that would be expected if the relativistic beaming theory of normal BL Lac emission is correct. Candidate nuclei found this way will be studied with the FOS.

Selection Cycle

: 87A

QUASARS AGN

1034 - "M87'S JET, NUCLEUS, AND HOT CORONA (FOS NO. 12) "

Keywords : JET, CORONA, M87, IONIZED GAS

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

WF/PC narrow band images of M87 will be used to isolate emission line regions near the nucleus and jet. FOS spectra of these clouds will be used to i) map the velocity field near the nucleus, ii) understand physical conditions and ionization mechanisms in these clouds, and iii) measure chemical composition of the clouds. FOS spectra of the stellar nucleus and synchotron knots in the jet will be used to establish long-base-line spectral indices and to look for spectral features. Long exposure ultraviolet spectra of the nucleus and jet will be used to look for absorption lines from M87's hot corona.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN -- (
1035 - "BL LAC OBJECTS: AO 0235 + 164 "

Keywords : BL LAC, REDSHIFT, UV ABSORPTION

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

A00235+164 is a special case of a BL Lac object with no emission lines, 2 metallic line absorptions at z = 0.524, 0.851, and variable 21-cm absorption at z = 0.524. It has a faint emission-line companion 2 arc sec south with z = 0.524 and another companion 1.3 arc sec East. Special goals for it will be examination of L alpha absorption at both absorption redshifts, search for UV emission lines, search for luminosity between A00235+164 and the (variable?) companion, or around A0 itself, and spectra of such luminosity if found. UV spectropolarimetry of all objects is planned. Faint fuzzy objects nearby may will be observed to determine their redshiftsbe galaxies at z = 0.524 or 0.851.

Selection Cycle

: 87A

QUASARS AGN

1036 - "IMAGING AND SPECTROPHOTOMETRY OF SEYFERT NUCLEI (FOS 14) "

Keywords: SEYFERT, AGN, IONIZED GAS, NUCLEUS, NARROW LINE REGION, BROAD

LINE REGION

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

WF/PC narrow band images will be used to isolate clouds near the nucleus and to look for organized structure such as disks, bubbles, and jets. FOS spectrophotometry from 1200A to 7000A will be used to establish density, temperature, chemical composition, ionization mechanisms, and reddening in the emission regions near the nucleus. Line profiles and radial velocities will be used to investigate broadening mechanisms near the nucleus such as turbulence, gas flows, and rotation. Small aperture FOS spectra of the nuclei will be used to separate the broad line region from the narrow line region. The spectra will be used to investigate physical conditions and gas dynamics in the broad line region. Absorption lines in the nuclear spectra will be used to measure the amount and distribution of gas along the line of sight through the parent galaxy.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN QUASARS AGN -- (
1037 - "SEYFERT GALAXY SURVEY (FOS 14A) "

Keywords : SEYFERT GALAXIES Proposers: Arthur F. Davidsen (PI; Johns Hopkins University), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corp.), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B.Margon (Washington, University Of)

The purpose of this program is to establish the optical and UV spectral energy distribution for two of the nearest and brightest Seyfert 1.5 and 2 galaxies, using the small (0.3") FOS aperture to isolate the broad line and continuum emission regions. Since this emission may not be coincident with the starlight that dominates the optical spectra, early PC exposures will be used to establish the exact location of the maximum UV brightness. The UV continuum will be used to look for absorption due to the halo of the Seyfert or intervening clouds. Emission line intensities and profiles for the broad components will be measured uncontaminated by emission from the galactic disk or narrow line region. In conjunction with the more detailed information obtained on brighter Seyfert 1's (FOS 14), this study of Seyfert 1.5 and Seyfert 2 properties will provide a point of comparison for more generally understanding the Seyfert phenomenon.

Selection Cycle

: 87A

QUASARS AGN

1038 - "IMAGING AND SPECTROPHOTOMETRY OF NUCLEAR ACTIVITY IN LINERS (FOS 15) "

Keywords : LINER, AGN, IONIZED GAS, NUCLEUS

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

WF/PC narrow band images will be used to isolate ionized gas clouds near the nuclei and to look for organized structure such as disks, bubbles and jets. FOS spectrophotometry from 1200A to 7000A will be used to establish density, temperatures, chemical composition, ionization mechanisms, and reddening in the emission regions near the nucleus. Line profiles and radial velocities will be used to investigate broadening mechanisms such as turbulence, gas flows, and rotation. Small aperture spectra of the nucleus will be used to look for a photoionizing continuum and for line broadening in the nucleus, and will be used to establish physical conditions and dynamics of the nuclear gas. UV absorption lines will be searched for in the nuclear continuum in order to measure the amount and distribution of gas along the line-of-sight through the parent galaxy.

Prop. Type: GTO/FOS

Selection Cycle

: 87A

QUASARS AGN -- (HOST GALAXY) -- 1039 - "UV AND OPTICAL SPECTROSCOPY AND IMAGING OF THE COMPLEX OBJECT 3C 3O3 "

Keywords: RADIO GALAXY, JET, SYNCHROTRON, ACTIVE NUCLEUS

Proposers: E. Margaret Burbidge (PI; Uc, San Diego), J.Angel (Arizona, University Of), F. Bartko (Martin Marietta Corporation), E. Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), A. Davidsen (Johns Hopkins University), H. Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation), B. Margon (Washington, University Of)

Interaction between high-energy electrons and ambient cluster gas may produce faint optical or UV radiation. A good case, demanding the spatial resolution of ST and the UV capability of the FOS, is 3C 3O3, a very complex radio/optical object with jets, surrounding knots, and a candidate optical synchrotron emission patch.

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (

1040 - "VELOCITY DISPERSIONS IN THE NUCLEI OF GIANT ELLIPTICALS (FOS 17) "

Keywords: GALAXIES, VELOCITY DISPERSION, ROTATION, NUCLEUS STELLAR

POPULATION

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R. Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

The FOS will be used with small apertures to map the stellar velocity dispersion and rotation in the central 1" of NGC4486, NGC4472 and NGC6251. The velocity dispersion maps will be used to discriminate between the large M/Ls required by massive black holes, velocity anisotropy, and isothermal velocity distributions. Line strengths will be used to measure changes in the stellar population in the central 1".

Prop. Type: GTO/FOS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (

1041 - "THE NUCLEUS OF NORMAL AND STARBURST GALAXIES (FOS 20) "

Keywords : GALACTIC NUCLEUS

Proposers: Ralph Bohlin (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research

Corporation), E.Beaver (Uc, San Diego), E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

Try to understand the energies of normal galactic nuclei. Are the main sources of ionizing radiation nonthermal, or due to a blue stellar population? High spatial resolution of ST is essential to this problem; FOS spectra can distinguish between a population of hot young stars or HB stars. Use the 0.3" aperture at any central point sources and off nucleus at the appropriate spot determined from WFPC data. Choose this spot within 1", along the major axis in accord with the techniques of FOS program 24, "Dynamics near Cores of Normal Galaxies."

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (

1042- LT - "A SUPERNOVA-BASED DETERMINATION OF QO (FOS 22) "

Keywords : SUPERNOVAE, DETERMINATION OF QO, COSMOLOGY Proposers: Richard J. Harms (PI; Applied Research Corporation), J.Angel

(Arizona, University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope

Science Institute), B. Margon (Washington, University Of)

Two approaches will be used to determine qo from spectrophotometry of distant (z = 0.2-0.5) supernovae. In the Baade-Wesselink method, spectra of either type I or II supernovae are taken several times during the first month after outburst; the observed fluxes, expansion velocity, date of outburst, and redshift of the parent galaxy, when compared to models, allow a determination of qo. The second approach assumes that type I supernovae can be used as standard candles. We will also perform imaging of faint supernovae to determine the morphology of the host galaxy, and also obtain spectra of several very faint (and therefore distant) supernovae.

Prop. Type: GTO/FOS

Selection Cycle : 87A

QUASARS AGN -- (

1043 - "SEARCH FOR EXTENDED GALACTIC HALOS (FOS 23) "

Keywords: GALACTIC HALOS, QUASAR

Proposers: Ralph Bohlin (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research

Corporation), E.Beaver (Uc, San Diego), E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Space

Telescope Science Institute), R. Harms (Applied Research

Corporation), B.Margon (Washington, University Of)

Use QSOs projected close to nearby galaxies to search for halos sufficiently extended to explain the observed statistics of QSO absorption line spectra. Different candidate galaxies have been chosen, including some known to have extended 21 cm halos, galaxies in and out of clusters, etc. Galaxies are chosen with z>0.001 where possible, so that local Lyman alpha absorption can be resolved from a galaxian column density of 2E19 of HI in our R=1200 mode. This is a UV specific problem that requires ST collecting area. A positive detection will produce a point on the rotation curve far into the galaxy halo, as well as crude information on the physical conditions of the halo gas. Each spectrum will also contain information on the gas distribution of our galaxy.

Selection Cycle

: 87A

GALAXIES CLUSTERS

1044 - "STELLAR AND GAS DYNAMICS IN NORMAL GALAXIES (FOS 24) "

Keywords: GALAXIES, STELLAR DYNAMICS, IONIZED GAS, SUPERNOVAE

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

The FOS will be used with small apertures to map the stellar velocity dispersion and rotation in the central 1" of NGC221 (M32), NGC224 (M31), and NGC3031 (M81). The velocity disperions and rotation curves will be used to model the nuclear dynamics and to measure nuclear M/Ls. Line strengths will be use to measure changes in the stellar populations in the central 1". WF/PC pictures will be used to isolate nuclear emission line regions in M31 and M81. FOS spectra of the regions will be used to measure the physical characteristics, ionization mechanisms, and dynamics of the clouds. A special search will be made for the remnant of the supernova S-And (1885). FOS spectra will be taken of any candidate nebulosity.

Prop. Type: GTO/FOS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --

1045 - "SEARCH FOR PRIMEVAL GALAXIES (FOS 25) "

Keywords: HIGH REDSHIFT QUASARS, GALAXIES-EVOLUTION

Proposers: Arthur F. Davidsen (PI; Johns Hopkins University), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corp.), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

The purpose of this program is to locate and obtain spectra of several primeval galaxies (i.e., galaxies at very high redshifts). The method employed is to obtain deep WF/PC exposures of the regions near known high redshift quasars and search for faint, extended objects, including anything associated with the quasars themselves. Out of the six WF/PC fields, the three brightest extended objects will be chosen for follow-up with the FOS. Depending on the magnitudes of the objects, long integrations with G650L or the prism will be used to compare the spectral energy distributions of the primeval galaxies to lower redshift objects to study the evolution of galaxies.

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (

1046 - "IMAGING AND UV SPECTROPHOTOMETRY OF LOCAL GROUP PLANETARY NEBULAE (FOS 26)"

Keywords: NEBULA, PLANETARIES, CENTRAL STARS, GALAXIES, K648

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

WF/PC interference filter pictures will be used to resolve the shells of planetary nebulae in the LMC and to resolve the shell of K648 in M15. The angular diameters of the shells will be combined with echelle expansion velocities to derive the ages of nebulae. Ultraviolet spectra of the central stars will be used to derive the stars' effective temperatures and magnitudes, with objective of placing the stars on evolutionary tracks in an M-Teff diagram. UV spectra of the LMC nebulae, K648, and the brightest nebula in M32, NGC205, and NGC185 will be used to derive chemical compositions and physical conditions in the nebulae.

Prop. Type: GTO/FOS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (

1047 - "NOVAE AND SUPERNOVAE IN M31 (FOS 27) "

Keywords: NOVAE, ABUNDANCES, M31

Proposers: Holland C. Ford (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego),

A.Davidsen (Johns Hopkins University), R.Harms (Applied Research

Corporation), B. Margon (Washington, University Of)

The purpose of this program is to obtain FOS spectra in the UV of three optically discovered novae near the nucleus of M31. If a supernova were to occur in the time frame of interest, it would also be of interest to this program. The FOS spectra are to be obtained roughly one month after maximum, which will involve scheduling on a fairly short timescale. The FOS spectra will permit the carbon abundance (and perhaps the nitrogen and silicon abundances) in the bulge of M31 to be estimated. The observations will also allow an estimate of the feasibility of detecting novae in distant galaxies using the WF/PC and C III 1909 filter (F194W).

Selection Cycle

: 87A

-- (SN SNR) --INTERSTELLAR MEDIUM 1048 - "SUPERNOVA REMNANTS AND NUCLEOSYNTHESIS" (FOS 30) "

Keywords: SUPERNOVA REMNANTS, NUCLEOSYNTHESIS

Proposers: Arthur F. Davidsen (PI; Johns Hopkins University), J.Angel (Arizona, University Of), F. Bartko (Applied Research Corp.), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E.Burbidge (Uc, San Diego), H.Ford (Space Telescope Science Institute), R. Harms (Applied Research Corporation),

B. Margon (Washington, University Of)

UV and optical spectra of six supernova remnants (SNRs) will be used to study a number of problems related to abundances, grain destruction, interstellar medium properties and physical conditions in SNR shocks. Representatives of three of the main classes of SNRs (Crab-nebula like, Balmer-line and "normal") will be studied in the LMC, where reasonably low reddening permits UV observations. Two SNRs in M33 will be observed to study abundances and abundance gradients of elements not readily available from optical spectra and that are too faint for IUE. An oxygen-rich SNR in NGC 4449 will be observed, taking advantage of the small FOS slits to isolate the SNR from surrounding H II emission.

Prop. Type: GTO/FOS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

1049 - "SPECTROPOLARIMETRY OF MAGNETIC WHITE DWARFS" Keywords: WHITE DWARFS, HIGH MAGNETIC FIELDS

Proposers: J. Roger P Angel (PI; University Of Arizona), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space

Telescope Science Institute), E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Johns Hopkins University), R. Harms (Applied Research Corporation), B. Margon

(University Of Washington)

Spectropolarimetry and spectrophotometry will be used to study the ultraviolet Zeeman spectra of magnetic white dwarfs with fields in excess of 20 MG.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (1050 - "SPECTROPHOTOMETRY OF COOL WHITE DWARFS "

Keywords : COOL WHITE DWARFS

Proposers: J. Roger P Angel (PI; University Of Arizona), F.Bartko (Martin

Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute), E. Burbidge (Uc, San Diego),

A. Davidsen (Johns Hopkins University), H. Ford (Johns Hopkins University), R. Harms (Applied Research Corporation), B. Margon

(University Of Washington)

Ultraviolet spectrophotometry will be used to determine whether the ultraviolet blanketing of the coolest DA, DC and DK degenerate stars differ due to the presence of molecular hydrogen and/or heavy metallic elements and/or carbon and whether the coolest DC-DK stars have hydrogen-rich atmospheres. The second question may hold implications for the apparent "cut-off" in the white dwarf luminosity function at Log L/L(sun) = -4, the disk star formation history and age.

Prop. Type: GTO/FOS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1051- LT - "MASS EXCHANGE BINARIES (FOS 34) "

Keywords: X-RAY STAR, NOVA, DWARF NOVA Proposers: Bruce Margon (PI; Washington, University Of), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute),

E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R.Harms

(Applied Research Corporation)

FOS UV spectra will be used to probe the effect of ionizing radiation from the compact star on the atmosphere of the normal companion, gaining information on the unobservable soft X-ray spectrum of the system which may, in some cases, dominate the energy budget. The FOS time resolved mode permits data also to be obtained as a function of pulse phase for X-ray pulsars, especially in the UV, where the strong resonance lines are available, and the FOS polarimeter will be used to examine the orbital phase dependence of polarization in these lines in the polars, providing new data on the complex structure of the accretion column.

Selection Cycle

: 87A

STELLAR POPULATIONS

1052 - "GLOBULAR CLUSTER CORE STRUCTURE AND DYNAMICS (FOS 36) "

Keywords: GLOBULAR CLUSTER

Proposers: Ralph Bohlin (PI; Space Telescope Science Institute), J.Angel

(Arizona, University Of), F.Bartko (Applied Research

Corporation), E.Beaver (Uc, San Diego), E.Burbidge (Uc, San Diego), A. Davidsen (Johns Hopkins University), H. Ford (Space Telescope Science Institute), R. Harms (Applied Research

Corporation), B. Margon (Washington, University Of), L. Spitzer

Jr. (Princeton University)

Obtain data on the stellar populations in the central cores of globular clusters. Clusters with and without central unresolved cusps, and with and without central X-ray sources will be observed. Spectra will be obtained at the center of the UV brightness, and at a distance within about one core radius. We might expect these spectra to differ; massive objects formed in collisions may produce unexpected spectral features, as well as relatively intense UV radiation in the central core.

Prop. Type: GTO/FOS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

1053- LT - "BINARIES IN GLOBULAR CLUSTERS (FOS 37) "

Keywords: X-RAY STAR, NOVA, GLOBULAR CLUSTER, NEUTRON STAR Proposers: Bruce Margon (PI; Washington, University Of), J.Angel (Arizona,

University Of), F.Bartko (Martin Marietta Corporation), E.Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute),

E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins University), H.Ford (Space Telescope Science Institute), R.Harms

(Applied Research Corporation)

Imaging and spectroscopy will be used to probe the nature of the luminous, central X-ray burst sources; to attempt optical identifications of the lower luminosity X-ray sources removed from the cores (and thus to verify the conjecture that they are related to CVs); and to attempt to recover the two historical novae seen in clusters (possibly resulting in expansion parallaxes for the clusters).

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

1054- LT - "OPTICAL COUNTERPARTS OF RADIO PULSARS (FOS 38) "

Keywords : NEUTRON STAR, PULSAR, WHITE DWARF, SUPERNOVA REMNANT

Proposers: Bruce Margon (PI; Washington, University Of), J.Angel (Arizona, University Of), F. Bartko (Martin Marietta Corporation), E. Beaver (Uc, San Diego), R.Bohlin (Space Telescope Science Institute),

E.Burbidge (Uc, San Diego), A.Davidsen (Johns Hopkins

University), H.Ford (Space Telescope Science Institute), R.Harms

(Applied Research Corporation)

FOS spectra will be used to measure the spectral index (especially in the UV) of the nonthermal pulsar radiation, to verify synchrotron mechanism and search for spectral breaks, to watch variations through the pulse phase, and to examine the variation of polarization with wavelength in the Crab. Absorption may be seen due to intervening gas, whose abundance and physical state could then be probed.

Prop. Type: GTO/OS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) --

1055 - "STUDIES OF THE 'NORMAL' SPIRAL M81 "

Keywords : SPIRAL GALAXY, GALACTIC NUCLEII

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West), I.King (Uc, Berkeley)

M81 is a very nearby spiral galaxy with an extremely compact nucleus and weak Seyfert like activity. Studies with the FOC will provide unprecedented resolution in the nuclear regions. Imaging at f/96 and spectrosopy at f/48 are proposed to study both the gas and the stars in the nuclear region.

Prop. Type: GTO/OS

Selection Cycle : 87A

-- (NUCLEI) --GALAXIES CLUSTERS

1056 - "STUDIES OF SPIRAL NUCLEI " Keywords : GALAXIES, SPIRAL

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West), J. Deharveng (Marseille Observatory; France), P. Grosbol

(European Southern Observatory; Germany, West)

The high resolution of the FOC f/96 imaging mode will be used to study the nuclear regions of several nearby spiral galaxies. A first image in the UV continuum will be used to see if there is a nuclear condensation which would merit further study either spectroscopically or at a higher spatial resolution. The major objective is to discover heretofore unknown phenomena in the nuclei on physical scales which cannot be reached from the ground.

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (NUCLEI) --1057 - "IMAGING AND SPECTROSCOPY OF ELLIPTICAL GALÁXIES "

Keywords: GALAXIES, ELLIPTICAL; ASTROMETRY

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West), M.Disney (University College, Cardiff; United Kingdom), I.King (Uc, Berkeley), C.Mackay (Cambridge University; United

Kingdom)

This proposal has several objectives. First, the imaging data will be used to determine the precise positions of the centers of the galaxies, to see if the central region is bright enough to do long slit spectroscopy with the FOC f/48 spectrograph, and finally to study the radial intensity and color profile in the spectral region between 2200A and 4500A. In addition, f/288 data will be obtained in those few cases where it is warranted by the f/96 exposures. The spectroscopy will be attempted only in the cases where the central region is bright enough to determine a good velocity dispersion.

Prop. Type: GTO/OS

Selection Cycle : 87A

QUASARS AGN -- (GAS) --1058 - "OPTICAL EMISSION IN DOUBLE RADIO GALAXY LOBES "

Keywords: RADIO GALAXIES

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West), F. Macchetto (Space Telescope Science Institute), C. Mackay (Cambridge University; United Kingdom), G.Miley (Space Telescope

Science Institute)

Radio hot spots associated with radio galaxies will be studied either to learn about the detailed optical morphology of optical emission already found in the vicinity of the radio emission or to search for new regions where optical emission can be seen. The observations proposed here are of double radio galaxies with compact unresolved components (at 30 resolution). Objects with known emission will be searched using the PC.

Selection Cycle

: 87A

QUASARS AGN

-- (GRAVITATIONAL LENSES) --

1059 - "GRAVITATIONAL LENSES "

Keywords : GRAVITATIONAL LENSES

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West), J.Schneider (Meudon Observatory; France), H.Sol (Meudon

Observatory; France)

We intend to detect new features in gravitationally lensed QSO's. In particular, we will look for the predicted extra images, optical counter-parts to VLA and VLBI jets and if possible at the morphology of the deflecting mass. Quantitative knowledge of these is necessary for the astrophysical use of the phenomenon.

Prop. Type: GTO/OS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

1060 - "IMAGING AND SPECTROSCOPY OF CRAB NEBULA FILAMENTS "

Keywords: INTERSTELLAR MEDIUM, SUPERNOVA REMNANT

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West)

F/98 images in HBeta will be used to locate bright resolved regions of the Crab for further investigation with the f/48 spectrograph. The f/48 spectrograph is well suited for untangling the physics in the various filaments of the Crab.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1061 - "BINARY PULSAR PSR1913+16 IMAGING"

Keywords: PULSARS, ASTROMETRY, GRAVITATIONAL RADIATION

Proposers: Philippe Crane (PI; European Southern Observatory; Germany,

West)

A candidate star for the binary pulsar has previously been identified but the precision of the astrometric measurement needs to be improved in order to finally put to rest the question of whether or not this object lies at the radio position. A single 10 minute PC image in the R band will provide the initial data to determine if it is worth using the FGS to get results at the 2 milliarcsec level of precision.

Selection Cycle

: 87A

-- (EXTRASOLAR PLANETS) --SOLAR SYSTEM 1062 - "A PHOTOMETRIC SEARCH FOR PLANETS OF NEARBY STARS; GTO PROPOSAL 1062" Keywords: PHOTOMETRIC EXTRA SOLAR PLANETS, PESP GTO PROPOSAL 1062

Proposers: William G Fastie (PI; Johns Hopkins University), J.Caldwell (York University; Canada), D.Schroeder (Beloit College)

The proposed research is a search for planets of nearby stars. The technique involves use of the Planetary Camera with narrow and wide band pass filters to photometrically measure the presence of resolved dark companions. The target star is placed about 1.4 arc sec from the WPC pyramid. The exposures are calculated to provide 25000 electrons per pixel at 1.2 arc second from the target stars. Multiple exposures will be required.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1063 - "THE EXTENDED ATMOSPHERE OF BETELGEUSE "

Keywords: STARS: M SUPERGIANTS; BETELGEUSE STELLAR PROCESSES: MASS LOSS

Proposers: David L. Lambert (PI; Texas, University Of)

The extended chromosphere and circumstellar shell of the M supergiant Betelgeuse will be studied through HRS spectroscopy of the Mg II resonance lines, FOS spectra, and WF/PC images of the shell. The results will provide new insights into mass loss by the star.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1064 - "BORON IN MAIN SEQUENCE STARS "

Keywords: NUCLEOSYNTHESIS - BORON. STARS - ABUNDANCES OF BORON IN POP. I

ANS II MAIN SEQUENCE STARS

Proposers: David L. Lambert (PI; Texas, University Of)

Boron abundances will be obtained for a sample of Pop. I and Pop. II main sequence stars from HRS spectra of the BI resonance lines at 2497 A. Stars to be observed include - Noraml F dwarfs including stars showing the unexplained large deficiencies of Li and Be. Boron will provide a new clue to the processes depleting Li and Be. - Old Disk and Halo Dwarfs with metal abundances in the range [Fe/H] ~ -0.3 to -2.4. These observations will reveal the evolution of the boron abundance with overall metal abundance and age.

Selection Cycle

87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --1065 - "ISOTOPIC ABUNDANCES OF CARBON AND OXYGEN AND FRACTIONATION IN INTERSTELLAR CARBON MONOXIDE"

Keywords: INTERSTELLAR MOLECULES-CO. ABUNDANCES AND

NUCLEOSYNTHESIS-ISOTOPES OF C AND O - MOLECULAR PROCESSES -

FRACTIONATION

Proposers: David L. Lambert (PI; Texas, University Of), S.Federman (Jet

Propulsion Laboratory)

HRS observations of the CO A-X system between 1250 and 1550 A will be acquired and analyzed to obtain abundances of 120160, 130160, 120170, and 120180, and to study the rotational excitation of the CO molecule. Additional observations of the weak inter-combination line of C II at 2324 A will provide the C+ abundance which plays an important role in chemical fractionation. Diffuse interstellar gas towards local stars (e.g. Zeta Per and Zeta Oph) will be observed for the C II lines and lines of the less abundant isotopic species of CO. A check on the Galactic gradient in the 12C/13C ratio will be attempted by observing stars about 1 kpc towards and away from the Galactic center.

Prop. Type: GTO/OS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1066 - "CARBON CHEMISTRY IN INTERSTELLAR DIFFUSE CLOUDS - THE C2 MOLECULE "

Keywords: INTERSTELLAR MOLECULES - C2 - MOLECULAR PROCESSES - CHEMISTRY OF

Proposers: David L. Lambert (PI; Texas, University Of), A.Danks (European

Southern Observatory; Chile)

Observations of the C2 molecule in interstellar diffuse clouds are based on the Phillips near-infrared system. The ultraviolet D-X (lambda ~2310 A) and F-X (lambda ~1341 A) transitions should provide detectable C2 lines on HRS echelle spectra for lines-of-sight for which Phillips system lines are essentially undetectable. Observations of C2 will be attempted for line of sight containing rather little H2 (log N(H2) < 20.6). The D-X and F-X bands transitions will be calibrated against the Phillips system through observations of zeta Oph. The relation between C2, H2, and other abundant molecules will be interpreted using cloud models and thorough chemical reaction networks. Rotational excitation will also be measured and interpreted.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1067 - "OLD NOVAE AND CATACLYSMIC VARIABLES - DQ HER AND G61-29 "

Keywords: VARIABLE STARS: NOVAE AND CATACLYSMICS STARS - INDIVIDUAL: DQ

HER AND G61-29

Proposers: David L. Lambert (PI; Texas, University Of), G.Ferland

(Kentucky, University Of)

The classical nova DQ Her is the prototype of the dust-forming novae with the 1934 ejecta well resolved on the sky providing an emission line spectrum corresponding to an electron temperature of just T ~ 500K. FOS spectra and WF/PC images of the shell will be obtained to study the nebular dust and gas. The 46 min binary G61-29 consists of a 0.02m He white dwarf transferring mass to another white dwarf. FOS spectra are to be obtained to define the heavy element abundances of the intersystem gas.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1068 - "EPSILON AURIGAE - A SEARCH FOR THE SECONDARY "

Keywords: STARS: BINARIES - EPSILON AUR

Proposers: David L. Lambert (PI; Texas, University Of)

Observations with IUE of the recent eclipse of Epsilon Aur by its enigmatic secondary showed that the source of the ultraviolet flux, Lambda </ 1400 A, was not eclipsed. This flux is probably provided by a hot star embedded within the large dusty disk around the secondary. A FOS spectrum will be obtained to provide the first detailed look at the secondary.

Prop. Type: GTO/OS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1069 - "INTERSTELLAR BORON AND THE BORON ISOTOPIC RATIO "

Keywords: INTERSTELLAR ABUNDANCES - BORON. ABUNDANCES AND NUCLEOSYNTHESIS

BORON.

Proposers: David L. Lambert (PI; Texas, University Of)

Boron with Li and Be is synthesized by spallation reactions between Galactic cosmic rays and interstellar CNO nuclei. Theoretical predictions for nucleosynthesis are close to accounting for the observed standard or cosmic abundances of the trio. The 11B/10B ratio is one possible exception. Observations of solar-system material give 11B/10B = 4.025, but standard spallation calculations predict 11B/10B = 2.5. HRS echelle observations of the interstellar B II 1362 A resonance line provide opportunity to obtain a second measurement of the Boron isotopic ratio. The 1362 A line will be observed towards Kappa Ori and searched for towards 2 to 4 other stars.

: 87A

Prop. Type: GTO/OS

Selection Cycle

QUASARS AGN -- (DISTANT GALAXIES) --1070 - "HIGH RESOLUTION IMAGING OF RADIO GALAXIES AT LARGE REDSHIFT "

Keywords : RADIO GALAXIES, LARGE REDSHIFTS ACTIVE GALAXIES COSMOLOGY Proposers: Malcolm S Longair (PI; Royal Observatory, Edinburgh; U.K.),

S.Lilly (Institute For Astronomy, University Of Hawaii)

Recent ground-based observations of the colours and magnitudees of 3C radio galaxies at z ~ 1 have enabled a picture of the evolution of the stellar populations of these galaxies to be constructed. Some galaxies show only the effects of the passive evolution of the main-sequence turn-off point, while a substantial fraction show evidence of additional substantial populations of young stars in an actively evolving stellar population. Ground-based observations indicate that this range of evolutionary behaviour is maintained at least to z 2 but little progress has been possible in understanding the star formation activity seen in a fraction of these galaxies at all redshifts z > 0.7. It is proposed to take two-colour deep high resolution images of a well- defined sample of 22 3C galaxies with 0.6 < z < 1.3 and single-colour exposures of an additional 6 galaxies at z > 1.3 using the WFC. These will allow the morphologies and structures of both actively and passively evolving galaxies to be determined, allow the distribution of star forming regions in the galaxies to be mapped and the cause of this activity to be understood. The data will also allow the nearby cluster environments of the galaxies to be studied.

Prop. Type: GTO/OS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --1071 - "COMPOSITION OF GAS IN INDIVIDUAL INTERSTELLAR CLOUDS"

Keywords: INTERSTELLAR LINES

Proposers: C. R. O'Dell (PI; Rice University), L.Spitzer Jr. (Princeton

University)

Column densities of interstellar atoms of some ten atomic species will be measured in the line of sight to 27 early-type stars, using the High-Resolution Spectrograph to obtain precise measures in the ultraviolet with highest spectral resolution. These data will be analyzed to determine relative abundances in the several individual clouds present along each line of sight, and thus to determine how the composition of the gas in such clouds varies with cloud parameters such as H column density, velocity, ionization level and distance z from the galactic plane. This information should help to clarify the equilibrium between gas and grains, -- i.e., how the gas condenses on the grains and how the grains are destroyed by a variety of phenomena occurring in interstellar clouds.

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (HII REGIONS) --

1072 - "SIZE DISTRIBUTION OF BOK GLOBULES "

Keywords: BOK GLOBULES

Proposers: C. R. O'Dell (PI; Rice University), L.Spitzer Jr. (Princeton

University)

The Bok globules in HII regions will be characterized in terms of their

forms and distribution of sizes.

Prop. Type: GTO/OS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS) --

1073 - "HII COMPLEXES AS EXTRAGALACTIC DISTANCE INDICATORS "

Keywords : HII REGIONS, EXTRAGALACTIC DISTANCES

Proposers: C. R. O'Dell (PI; Rice University), L.Spitzer Jr. (Princeton

University)

Ground based observations have shown that extragalactic H II Complexes can be fit by a simple standard model, whose parameters can be determined by observation of the recombination line surface brightness. WF/PC H-beta images will be obtained of a series of H II Complexes in successively more distant galaxies in order to refine the zero point calibration and to apply this method to distant galaxies.

Prop. Type: GTO/OS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (PLANETARY NEBULAE) --

1074 - "SEARCH FOR THE OORT CLOUD IN PLANETARY NEBULAE "

Keywords: PLANETARY NEBULAE

Proposers: C. R. O'Dell (PI; Rice University), L.Spitzer Jr. (Princeton

University)

Under the assumption that the Oort Cloud of Comets is a common feature of stars with planetary systems and the planetary nebulae nuclei are advanced stages of evolution of intermediate mass stars, it is proposed to use the WF/PC to look for evidence of evaporation of massive comets by the strong stellar wind and radiation field of these stars.

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (HII REGIONS) --

1075 - "TURBULENCE IN H II REGIONS "

Keywords: HII REGIONS

Proposers: C. R. O'Dell (PI; Rice University), L.Spitzer Jr. (Princeton

University)

The WF/PC will be used to characterize the internal structure of the inner parts of the Orion Nebula (NGC 1976). The data will be combined with ground based velocity studies to determine the nature and source of fine scale turbulence in this object.

Prop. Type: GTO/OS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) --

1078 - "TRANSMISSION GRATING SURVEY FOR FAINT QSOS "

Keywords : QUASAR SURVEY

Proposers: Daniel J. Schroeder (PI; Beloit College)

The proposed program is a search for QSOs as faint as V=24 over a section of the sky at high galactic latitude. The instrument used is the WF/PC in its wide-field mode with either the red or blue grating as the filter. This grating/camera combination will give spectra at a spectral resolving power of 50-100 at S/N ~5 for V as faint as 24.

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS, PLUTO) --

1079 - "OPPORTUNITY OCCULTATIONS BY SMALL BODIES "

Keywords: COMET, ASTEROID, SATELLITE, PLUTO, OCCULTATION

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R.White (Space Telescope Science

Institute)

Although an occultation by any specific comet, asteroid, satellite, or Pluto is unlikely to be observable from the ST, the scientific return from such an event would be great because of the superior signal-to-noise ratio achievable with the ST for occultation observations. We propose to observe occultations by these bodies with the ST, as the opportunites arise, to probe their atmospheres, determine their sizes and achieve other goals. With such diverse possibilities, one must examine each opportunity as it occurs and formulate an observing strategy to fit that particular case.

Selection Cycle

: 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) --1080 - "THE SIZE AND COMPOSITION OF PLANETARY RING PARTICLES "

Keywords: PLANETARY RINGS, RING PARTICLES, OCCULTATIONS, RINGS SPECTRA,

RING COMPOSITION

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation), R. White (Space Telescope Science

Institute)

The size and composition of planetary ring particles are of interest for two reasons. First, these parameters provide important clues as to the age and source of the particles. The second reason for the interest in the size and composition of ring particles is that these quantities determine the fate of the particles in their present environment. In this regard, the size of the particles tells us the relative importance of gravitational forces (resonances with satellites, gravitational interaction with other ring particles, and the planetary gravity potential) and non-gravitational forces (particle collisions, radiation drag, and electromagnetic forces) in the present dynamical evolution. Clearly, the sizes and compositions of ring particles are central to our understanding of ring systems. Using the unique capabilities of ST, we propose to make major advances in knowledge of the size and composition of planetary ring particles through a combination of spectral and occultation observations of all three systems.

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM

-- (SATELLITES, RINGS) --

1081 - "SATURN RING DYNAMICS "

Keywords: SATURN'S RINGS, OCCULTATIONS, RING DYNAMICS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J. Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

Understanding the dynamics of the rings is essential to our eventual understanding of their origin. Did they form recently or along with Saturn itself? We propose a series of stellar occultation observations in order to continue the dynamical investigation of Saturn's rings, at high spatial resolution, begun by the Voyager spacecraft. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 local remote; fixed up small syntax errors - SALM 9/5/89 Updated for cycle 1 -- amanda bosh (MIT) 28 Sept 89 asb 0 MIT 19 Mar 1990: Updated cycle 1 targets.

Prop. Type: GTO/HSP Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) -- 1082 - "HELIUM ABUNDANCE IN JOVIAN PLANET UPPER ATMOSPHERES "

Keywords: JOVIAN PLANETS, OCCULTATIONS, UPPER ATMOSPHERES, HELIUM

ABUNDANCES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation), R. White (Space Telescope Science

Institute)

The large masses of the Jovian planets make it likely that they have retained their primordial abundance of material accreted from the solar nebula. The helium abundance in the upper atmospheres of these planets reflects the primordial abundance and the structural evolution of the planet. We propose to determine the Helium fraction in the upper atmosphere of each Jovian planet by measuring the ratio of the refractivities of its atmosphere for two wavelengths during stellar occultations. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop. instr. - SALM 9/5/89 Updated for cycle 1 --amanda bosh 28 Sept 89 RPSS V7.2 remote local - 9/29/89; Moved some observations to cycle2 - SALM 2/9/90 asb 0 MIT 19 March 1990: updated targets for cycle 1.

Prop. Type: GTO/HSP Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) --

1083 - "DYNAMICS OF PLANETARY UPPER ATMOSPHERES "

Keywords: PLANETARY ATMOSPHERES, JOVIAN PLANETS, MARS, UPPER OCCULTATIONS,

TEMPERATURE PROFILES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation), R. White (Space Telescope Science

Înstitute)

Observations of planetary upper atmospheres through stellar occultations are of interest because they provide information about the radiative and dynamical processes at work in these rarefied regions (number density range: 10super13 - 10super15 cmsuper-3), which could be otherwise measured only through direct atmospheric probe launched from a spacecraft. One of the problems with interpretation of the temperature profiles obtained from ground-based occultation observations has been that the numerical inversion of the data is highly sensitive to photometric errors--especially in obtaining the mean temperature of the atmosphere. The much greater stability of photometry that is possible with the ST will allow us to obtain more accurate temperature profiles and permit a comparison of the atmospheric structures of the Jovian planets with much greater precision than has been possible in the past. We propose a series of three occultation observations for each Jovian planet and a series of three observations for Mars, which we shall use to further test the predictions of the tidal model. Revision History: Received on RPS 9/1/89; Added to SCCS

9/5/89 Updated for cycle 1 -- amanda bosh (MIT) 28 Sept 89 Changed 3 sequences from cycle1 to cycle2 - SALM 2/12/90 asb 0 MIT 20 March 1990: changed cycle1 targs to real events

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM

-- (RELATIVITY/OCCULT) --

1084 - "LUNAR OCCULTATIONS WITH THE SPACE TELESCOPE "

Keywords: LUNAR OCCULTATIONS, BRIGHTNESS DISTRIBUTIONS, LIMB DARKENING,

SOLAR SYSTEM OBJECTS, EXTRA-SOLAR SYSTEM OBJECTS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

In order to obtain their angular diameters, limb darkening and/or strip brightness distributions, we propose to observe lunar occultations of Seyfert galaxies, X-ray sources, white dwarfs, early stars, quasars, planetary nebulae, late stars, asteroids, and satellites. For certain occultations, much greater signal-to-noise ratio can be achieved with the HSP on the ST than has been possible from the ground because of its orbital geometry, the greatly reduced scattered light from the moon, and the absence of scintillation noise.

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) -- 1086 - "DO NEPTUNE AND PLUTO HAVE RINGS? " Keywords: NEPTUNE, PLUTO, PLANETARY RINGS, OCCULTATIONS, RING IMAGING Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science Institute)

The origin of planetary ring systems remains unknown. One common property of the known ringed planets--Jupiter, Saturn, and Uranus--is that each possesses a regular satellite system, which would point to a close connection between the formation of rings and satellites. However, the dynamical lifetimes of several important features in Saturn's are short, which would lead to the conclusion that these rings are young. Continuing this line of reasoning, one would conclude that rings are not formed concurrently with planets--perhaps the formation of rings depends on encounters of planets with small bodies, or other random events: ring systems come and go. The discovery of ring systems around Neptune and/or Pluto would shift opinion toward this latter view, while the lack of detectable rings would greatly strengthen their apparent connection with regular satellite systems. The August, 1989 Voyager encounter with Neptune discovered complete rings with shepherd satellites, and perhaps ring arcs around Neptune. We propose to further probe the structure of the system of rings and ring arcs around Neptune, to determine the dynamical processes which could create rings as well as ring arcs, and to search for rings around Pluto. To achieve this, we will use occultations, which are most sensitive to (possibly dark) material clumped into narrow rings. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop. instr.; RPSS V7.2 local remote - SALM 9/6/89

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM

-- (SATELLITES, RINGS) --

1088 - "SMALL SATELLITES IN THE URANIAN SYSTEM"

Keywords : URANIAN SATELLITES, SATELLITE ORIBTS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The Voyager investigation of the Saturnian and Jovian ring systems revealed the intimate relationship between the structure of the rings and small satellites that orbit within or near the rings. The long term stability of ring systems is now thought to depend upon a chain of resonances that stabilizes the ring particle orbits by linking them--though resonances--to small, nearby moons, whose orbits in turn are stabilized through resonance links to the large, outer satellites. Establishing these connections depends upon obtaining precise orbits for the small satellites. To explain the structure of the Uranian system, most are expecting Voyager to discover several shepherd satellites within the ring system, and perhaps some in orbit between mirauda and the epsilon ring. These satellites would have magnitudes within the range +20-+25 and have proven--so far--to be undetectable from Earth. We propose a series of exposures with one of the cameras to establish the orbits of those satellites that have important connections with the ring dynamics.

Prop. Type: GTO/HSP

Selection Cycle : 87A

SOLAR SYSTEM

-- (SATELLITES, RINGS) ---

1089 - "CAPTURED SATELLITES OF THE JOVIAN PLANETS "

Keywords : SMALL SATELLITES, OUTER SATELLITES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

Fundamental to our understanding of planetary rings is their age: were they formed along with their respective planets 4.6 billion years ago or are

they a "recent" phenomenon? A scenario for possible recent origin might involve a small comet or asteroid captured by the planet. In order to provide basic data for the understanding the capture of small bodies by the Jovian planets, we plan to search for small outer satellites of the Jovian planets with parallel observations with the wide field camera during periods when the primary observing program involves observing the planet or one of its inner satellites with another instrument.

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1090 - "PERIODIC VARIATIONS IN DQ HERCULIS STARS"

Keywords: CATACLYSMIC VARIABLE STARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The DQ Herculis Stars are cataclysmic variables showing rapid, strictly periodic luminosity variations at either optical or X-ray wavelengths, and usually both. The periods range from 33 sec in AE AQR through 71 sec in DQ Her to 18690 sec in TV Col. The cataclysmic variables are all close binary stars consisting of a late-type star transferring mass to its companion white dwarf star. The white dwarf in the DQ Her stars is magnetized. The periodicities of the DQ Her stars are caused by rotation of the magnetized, acreting white dwarf. We propose to observe the DQ Her stars at ultraviolet wavelengths using the high speed photometer on the space telescope. The purpose of the observations is to investigate the physics of accretion onto compact stars. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Typos corrected; Added data-fmt - SALM 9/7/89 Updated text - SALM 9/28/89; Moved 5 targ to cycle 2 - SALM 2/12/90 Switched 1 targ in cycles 1 2 - SALM 2/14/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1091 - "ULTRAVIOLET PULSATIONS FROM X-RAY PULSARS "

Keywords: X-RAY PULSARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

We propose to obtain high-speed photometry at ultraviolet wavelengths of all the pulsing X-ray heated stellar atmospheres of the companion stars to the neutron stars in the binaries and to create list of X-ray pulsars with optical pulsations that can be further observed for such purposes as

determining the mass ratios of the binary system. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop instr; RPSS V7.2 remote local - SALM 9/6/89 Added data-fmt - SALM 9/7/89; Small text exp. line changes - SALM 9/28/89; Moved 8 targ to cycle2 - SALM 2/12/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1092 - "ECLIPSES OF CATACLYSMIC VARIABLE STARS "

Keywords : CATACLYSMIC VARIABLE STARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The cataclysmic variables are close binary stars consisting of a late-type star and white dwarf. Mass is being transferred from the late-type star to the white dwarf. Unless the white dwarf has an extremely strong magnetic field, the transferred mass forms an accretion disk around the white dwarf. An important reason to observe the cataclysmic variables is that they provide an unparalled way to study nearly all aspects of the accretion of gas onto compact objects. We propose to observe the eclipses of several cataclysmic variables. The eclipse light curves can be used to find information about the geometry and physical conditions in the accretion disk. One star we propose to observe, Z Cha, is a dwarf nova. Eclipse observations of this star will provide information about changes in the structure of the accretion disk over the outburst cycle. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated V2 prop instr; RPSS V7.2 remote _local; fixed typos; Added data-fmt; added period _zero-phase uncertainties - SALM 9/7/89 Text changes; ACQ added to repeat visits - SALM 9/28/89; Move 1 targ to cycle2, spread out repeats - SALM 2/14/90

Prop. Type: GTO/HSP Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1093 - "OBSERVATIONS OF ZZ CETI STARS "

Keywords: PULSATING WHITE DWARFS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The ZZ Ceti Stars are pulsating DA white dwarfs with temperatures near 11,000K. They are all pulsating in the non-radial g-modes, and are multi-periodic with periods between 200 sec and 1200 sec. Two major uncertainties about the ZZ Ceti stars are first, the exact temperature limits of the ZZ Ceti instability strip, and second, whether the luminosity variations are entirely due to temperature variations - as they should be if the pulsations are g-mode pulsations. We propose to observe the ZZ Ceti stars with the high speed photometer to measure their mean colors (and thus mean temperatures) and their color variations (and thus their temperature variations). Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop instr; RPSS V7.2 remote local; Added data-fmt - SALM 9/7/89; Text changes - SALM 9/28/89; Reduce Texp to 6H - SALM 2/14/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1094 - "SEARCH FOR OPTICAL VARIABILITY ASSOCIATED WITH BLACK HOLES "

Keywords: VARIABLE, INTERACTING BINARIES, BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R.White (Space Telescope Science

Institute)

It has been suggested that luminous matter passing through an accretion disk towards the event horizon of a black hole is likely to emit a short series of pulses at an increasing frequency. These so-called dying pulses trains would have a period of the order of milliseconds for stellar mass black holes. A search for such pulse trains will be made among candidate objects. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Added data-fmt - SALM 9/7/89; Removed target NGC7078; Added target A0620-00 _related changes; Changed "contiguous exposures" to "NON-INT" - Dolan 9/26/89; Changed fluxval, ONBRD ACQ, and SAMPLETIME - SALM 2/14/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1095 - "VARIABILITY OF HIGH LUMINOSITY STARS "

Keywords : SUPERGIANT, VARIABLE

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

Some of the most luminous and massive stars in our galaxy and in the Large Magellanic Cloud will be monitored for variability in light. Knowledge of the time scales and amplitudes of luminosity fluctuations can perhaps place useful constraints on various stellar models. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local - SALM 9/8/89; Text changes added ACQ to repeat visits - SALM $9/\overline{2}8/89$; Move 9 targ to cycle2 - SALM 2/14/90 Move 3 targ to cycle 2; add UV2 obs for P-CYG - SALM 3/26/90

Selection Cycle

: 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) --

1096- LT - "GRAVITATIONAL LENSES PART I "

Keywords : GRAVITATIONAL LENSES; BLACK HOLES; HUBBLE CONSTANT

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R.White (Space Telescope Science

Institute)

Photometric and polarimetric observations will be made of systems whose properties are ascribed to the effect of a gravitational lens. The similarity of the images in the previously unobserved UV region of the spectrum, both photometrically and polarimetrically, is necessary for these objects to be gravitational lens systems; any differences found will be carefully studied to determine what constraints they put on the system. Systems whose properties appear consistent with a point mass deflector (i.e., a black hole) will be monitored to determine whether photometric or polarimetric variability exists in the images. The distance to the deflecting mass in this case can be related to the path length difference between the two image paths from the imaged quasar to the observer. The path length difference can be derived directly from the time difference between the same variation occurring in each image. The parallaxes of objects at E+3 Mpc distances are of obvious importance to a wide variety of cosmological studies. Rev. Hist: Received on RPS 9/1/89; Added to SCCS 9/5/89; Changed sky-aper to parameter - SALM 9/12/89; Changed RA-OFF to XI-OFF and DEC-OFF; Fixed typos; Added needed acq seqs; Changed timing comments to regs - SALM 9/20/89; Added "SPOILER", gyros other changes-Dolan 9/29/89; Edited for submission - SALM 1/22/90; Changed to cycle1 - SALM 2/6/90; Moved to cycle2, coarse trk-SALM 2/15/90; more chngs 2/21/90; Typos - SALM 1/2/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1097 - "X-RAY BINARIES PART 1 "

Keywords: X-RAY BINARIES: NEUTRON STARS: BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R.White (Space Telescope Science

Institute)

The extreme conditions existing in the near vicinity of neutron stars which are the secondaries in close binaries provide a laboratory in which we may observationally confirm or refine many of our basic theories of astrophysics. This program will monitor the photometric and polarimetric light curves of X-ray binaries at several different phases of the binary orbit in several different wavelength bands in the UV. The results will be

related to the structure of, and physical conditions existing in, the gas streams (and possibly, the accretion disk) in these systems. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs corrected - SALM 9/12/89 Gyros and other changes -Dolan 9/29/89; Move GX339-4 to cycle2, reduce repeats to 4 every 0.93D, coarse track - SALM 2/15/90; Condense POL observations - SALM 2/22/90; Move GX339-4 A0538-66 to cycle2 - SALM 3/20/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1098 - "REMNANT STARS IN SUPERNOVA REMNANTS "

Keywords: SUPERNOVA REMNANTS; NEUTRON STARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The low frequency of occurrence of identified neutron stars located in supernova remnants (SNR's) is an unexplained embarassment to our generally accepted theories of stellar evolution and neutron star formation. We propose to search recent SNR's for any remnant star associated with them, and to study the photometric variability of known examples of neutron stars which are remnants of supernovae. The results will place important constraints on the mechanisms by which neutron stars originate. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; fixed small syntax err - SALM 9/12/89 Various small changes - Dolan 9/27/89; Condensed POL obs - SALM 2/23/90 Reduced Repeats - SALM 3/2/90; Moved SS433 to cycle2 - SALM 3/20/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

QUASARS _AGN -- (OTHER ACTIVE NUCLEI) --

1099 - "ACTIVE GALACTIC NUCLEI "

Keywords: QUASARS; BL LAC OBJECTS; ACTIVE GALACTIC NUCLEI

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The discovery of QSO's and (other) active galactic nuclei have radically altered the classical view of galactic evolution as a slow process occuring over cosmological time-scales. From the growing body of observations there are many varied theories developing to explain these highly energetic phenomena. To be successful, a theory must explain the large amplitude, rapid variations in both flux and polarization that characterize these objects. Variability in all parts of the spectrum has been observed, in

some cases on time scales as short as minutes, placing constraints on the volume over which the phenomenon occurs. Observations on even shorter time scales would significantly affect these constraints. This program will monitor the intensity and linear polarization of the radiation emitted by AGN's and relate the results to the structure of their nuclei and the nature of their central power source. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Parameter sky-aper added; other small syntax fixes - SALM 9/13/89; Various small changes -Dolan 9/27/89; Gyros - Dolan 10/2/89; Move 11 targ to cycle2 - SALM 2/16/90; Condensed POL observations; move some targets to cycle3, put some back in cycle 1 - SALM 2/23/90; Move some targ to cycle2 - SALM 3/2/90; Move 3C273 to cycle 2 - SALM 3/20/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1100- LT - "EVOLUTION OF THE NUCLEI OF PLANETARY NEBULAE "

Keywords: PLANETARY NEBULAE, STELLAR EVOLUTION, WHITE DWARFS.

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation)

The nuclei of planetary nebulae represent a central link in the late stages of stellar evolution, the connection between the asymptotic giant branch and the white dwarfs. In this picture, the core gradually increases in temperature and contracts after expelling the planetary nebula, eventually reaching the white dwarf cooling sequence. The agreement between models of this process and observations rests on assumptions about nebular distance scales, bolometric corrections and reddening. We propose to use the high-speed photometer to measure the luminosity variation of a central star directly. The evolutionary time scale and temperature changes will be observed utilizing the stability and precision of the photometer in combination with the angular resolution of Space Telescope. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; removed extraneous comments; fixed small syntax errors; Added coordinate uncertainty to target 5 6 - SALM 9/13/89 Added comments about acq. on repeat visits - SALM 9/28/89; Move NGC40 to cycle2, delete 1 UV filter, reduce repeat obs, do obs on VIS - SALM 3/5/90 Move NGC1360 to cycle 2 - SALM 3/19/90.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) -- 1101 - "OPTICAL AND ULTRAVIOLET OBSERVATIONS OF RADIO PULSARS "

Keywords: PULSARS, NEUTRON STARS, SUPERNOVAE

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation)

In spite of extensive efforts only two definite (Crab and Vela) and one probable (in SNR 0540-693) radio pulsars have been detected at optical wavelengths. Only the Crab Pulsar has been observed in the ultraviolet. Most efforts at modeling the optical emission mechanism are constrained only by the Crab Pulsar observations. To provide better model constraints, visual and ultraviolet observations of the Crab, Vela, and LMC pulsars will be obtained. Likely candidates will also be observed to attempt detection of pulses from pulsars previously undetected in the optical (millisecond pulsars and two binary pulsars). Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs fixed - SALM 9/13/89 Text changes - SALM 9/28/89; Added gyro stuff - SALM 9/29/89 Fix up CTR1 sequence - SALM 2/6/90; Move 4 targ to cycle2, cut 1 UV filter - SALM 3/5/90

Prop. Type: GTO/HSP

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1102 - "ULTRAVIOLET LIGHT AND POLARIZATION VARIATIONS IN BETA CEPHEI STARS "

Keywords: BETA CEPHEI STARS, STELLAR PULSATION

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation)

The variability of certain B stars such as Beta Cephei has been known for many years. No accepted mechanism for the excitation of this variation has been found, and uncertainty exists as to whether the pulsation modes are radial or nonradial. Color and polarization data in the UV will be obtained in an attempt to identify pulsation modes and phases of temperature and other variation for a selection of Beta Cephei stars. Better constraints on stellar pulsation models and the Beta Cephei phenomenon are the overall goal. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop instr; RPSS V7.2 remote local; Small syntactical Changes; Added coordinate uncertainties - SALM 9/13/89; Reduce repeats - SALM 3/5/90

Prop. Type: GTO/HSP Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) -1103 - "VISIBLE AND ULTRAVIOLET LIGHT CURVES OF SHORT PERIOD RR LYRAE-TYPE (RRS)

VARIABLE STARS"

Keywords: PULSATING STARS, STELLAR ATMOSPHERES, HYDRODYNAMICS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation)

Almost all studies of short-period RR Lyrae stars have mentioned the possibility of small-scale fluctuations in light curves or short time-scale changes in absorption line strengths. While careful examination of high signal-to-noise ratio visible light curves has failed to confirm such behavior, fluctuations may still be detectable in the ultraviolet region. These would reflect such phenomena as shock waves generated by the pulsation in the outer stellar envelope. We propose high time resolution, high signal-to noise ratio observations of a sample of such stars to characterize the ultraviolet pulsation and investigate the pulsation effects in the upper atmosphere. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs fixed - SALM 9/14/89 Move 2 targ to cycle 2 - SALM 3/5/90

Prop. Type: GTO/HSP Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1104 - "HIGH SPEED PHOTOMETRY OF GBS 0526-66"

Keywords: GAMMA RAYS, BURSTERS, NERTRON STARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute

Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R.White (Space Telescope Science

Institute)

High speed photometry of the 5 march 1979 gamma ray burst source will be made at the zero phase of its periodic optical bursts. Revision History: Recieved on RPS 9/1/89; Added to SCCS 9/5/89 Updated to V2 prop instr; Small syntax fixes; Added uncertainty to "zero-phase" - SALM 9/14/89 Removed TBDs; RPSS V7.2 remote _local - SALM 9/29/89

Prop. Type: GTO/WFC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (PECULIAR GALAXIES) -- 1105 - "PECULIAR AND INTERACTING GALAXIES (WF/PC-01)"

Keywords: PECULIAR GALAXIES, INTERACTING GALAXIES

Proposers: James A. Westphal (PI; Caltech)

Imaging observations with the WFC and PC are specified for a small sample of peculiar and interacting galaxies. In each instance the observations will benefit variously from the spatial resolution and ultraviolet sensitivity afforded by the Space Telescope and may reveal important facts concerning the nature of the objects observed.

Prop. Type: GTO/WFC

Selection Cycle : 87A

STELLAR POPULATIONS -- (GALACTIC BULGE) --1106 - "STELLAR POPULATION IN THE GALACTIC BULGE (WF/PC-O2) "

Keywords : STELLAR POPULATIONS, GALACTIC BULGE, BAADE'S WINDOW

Proposers: James A. Westphal (PI; Caltech)

The goal of this WF/PC project is to extend our knowledge of the stellar population in the nuclear bulge of our own Galaxy. During GTO time, our targets include a selected field within Baade's Window (about 4 degrees from the galactic nucleus) and another bulge field about 8 degrees from the nucleus. Stepped exposures with U, V, and I filters will enable us to correct for reddening on a small spatial scale, to extend the color-magnitude diagram several magnitudes, and to investigate the low-mass portion of the luminosity function.

Prop. Type: GTO/WFC

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (PLANETARY NEBULAE) --1107 - "PLANETARY NEBULAR STRUCTURE (WF/PC-03) "

Keywords: PLANETARY NEBULAE, MASS LOSS, EVOLUTION, NEBULA Proposers: James A. Westphal (PI; Caltech)

Observations of planetary nebulae utilizing the WF/PC are based upon the high angular resolution. Structure at the level of E+14 cm is seen in only one planetary NGC7293, Helix nebula. It is in the size range from E+14 to E+15 cm that the origin of long lived condensation is expected. Are the features seen in the Helix common to most planetaries? Do these condensations result in shadowing that can explain the ionization structure? The other objective of this program is to repeat the measurements on a few years baseline in order to study the temporal variations of well defined condensation. This may provide distance determinations as well as dynamic information.

Prop. Type: GTO/WFC Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (PLANETARY NEBULAE) --

1108 - "PLANETARY NEBULAE NUCLEI DISCOVERY (WF/PC-04) "

Keywords : PLANETARY NEBULAE, EVOLUTION MASS LOSS, NEBULA

Proposers: James A. Westphal (PI; Caltech)

The central star for some planetary nebulae have not been observed. It is believed that these PN nuclei have temperatures in excess of 100000dK and the large flux in the far ultraviolet produces a nebular surface brightness that overwhelms the stellar radiation in the visual when resolution is seeing limited. The WF/PC spatial resolution will enhance the contrast by the order of 100 while an additional enhancement will be achieved by observing in the UV. This program should result in the detection of these central stars and provide sufficient photometric data to determine the nature of the central star and interstellar extinction.

Prop. Type: GTO/WFC Selection Cycle : 87A

STELLAR POPULATIONS -- (EXTRASOLAR PLANETS) --

1109 - "LOW MASS COMPANIONS (WF/PC-O5) "

Keywords : LOW MASS COMPANIONS, BROWN DWARFS, PLANETS, ASTROMETRY

Proposers: James A. Westphal (PI; Caltech)

The purpose of this observing program is the astrometric detection of Low Mass Companions, e.g., planets around stars other than our Sun. Astrometric observations of the stars are to be made to detect the periodic motion of the stars due to the influence of a planet around the star. The possibility of variations from pixel to pixel should be reduced by taking three exposures of each star field with an offset of a few pixels in the image location at each pointing. Each target field should be observed approximately every three months during the first year, and at maximum and minimum parallax positions during the following year. The observations during the guaranteed time will be the first of a series of observations of these stars to be taken over the lifetime of the Space Telescope. In combinations with ground-based observations, improvements to the parallaxes and proper motions will be investigated.

Prop. Type: GTO/WFC Selection Cycle : 87A

STELLAR POPULATIONS -- (DWARF SPHEROIDALS) -1110 - "STELLAR POPULATIONS IN DWARF SPHEROIDAL GALAXIES (WF/PC-06) "
Keywords: DWARF GALAXIES, LOCAL GROUP, STELLAR POPULATIONS, HR DIAGRAM
Proposers: James A. Westphal (PI; Caltech)

HR diagrams to deep levels using the F555W and F785LP filters and the WFC will be used to study the stellar populations of the dwarf spheroidal galaxies Carina, Ursa Minor and Fornax. Aspects to be studied include the star formation histories based on the location and distribution of stars

near the main-sequence turnoff; the luminosities, colors, and metallicities of stars on the giant branch; the relation of horizontal-branch morphology to stellar ages and metallicities; distance moduli via main sequence fitting; the absolute magnitude of the horizontal branch; the main-sequence luminosity function; the possible incidence of binaries on the main sequence; and an estimate of the overall mass-to-light ratio and space density of baryonic matter in stars. In Fornax, the proposed field also contains the metal-poor cluster Fornax 4, whose HR diagram and radial density gradient will also be measured.

Prop. Type: GTO/WFC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GALACTIC HALO) --1111 - "A DEEP SURVEY AT HIGH GALACTIC LATITUDES (WF/PC-07) "

Keywords : FAINT SURVEY

Proposers: James A. Westphal (PI; Caltech)

Very deep exposures will be taken in broadband V and I colors in each of two fields at high galactic and ecliptic latitudes, in order to observe objects as faint as possible. Fourteen dark-side exposures should yield S/N of about 4 at magnitude 29.5 for neutral-colored point sources. The data will be used for counts and morphology of faint and distant galaxies and to study the distribution and luminosity function of galactic stars to very faint levels. Parallel FOC observations will be taken to give additional color information in nearby fields.

Prop. Type: GTO/WFC

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1112 - "GALACTIC GLOBULAR CLUSTERS (WF/PC-08) "

Keywords: GLOBULAR CLUSTER, POPULATION II, DWARF, WHITE DWARF, DYNAMICS,

STELLAR POPULATION

Proposers: James A. Westphal (PI; Caltech)

Two classes of observations will be performed on a small sample of galactic globular star clusters. In one, a set of V and I frames will be obtained at two radii to study the faint end of the luminosity function and mass segregation; in one cluster (NGC6752) the data will also reach the bright end of the white dwarf luminosity function. In the other, the nuclei of a number of clusters will be imaged in the U band to study the core properties and the existance of a collapsed cusp if any. The clusters are relatively nearby and their core properties span the range from extremely regular to extremely cusplike.

Prop. Type: GTO/WFC

Selection Cycle

: 87A

STELLAR POPULATIONS -- (MAGELLANIC CLOUDS) --1113 - "STELLAR POPULATIONS OF THE MAGELLANIC CLOUDS (WF/PC-09) "

Keywords: GLOBULAR CLUSTERS, CLUSTERS, STELLAR POPULATIONS, LOCAL GROUP, IRREGULAR GALAXIES, HR DIAGRAMS

Proposers: James A. Westphal (PI; Caltech)

HR diagrams with the Wide Field Camera in filters F336W,F555W and F785LP will be obtained for several clusters and background fields in the Large and Small Clouds. The proposed clusters span a range of age and metallicity, and the background fields are located at a variety of radial distances within the galaxies. The data will be used to study cluster ages, the history of star formation for field stars, the cluster and field luminosity functions, and distance moduli based on main-sequence fitting. Tidal radii of clusters and the stellar mass-to-light ratios of cluster and field populations will also be estimated.

Selection Cycle : 87A Prop. Type: GTO/WFC

STELLAR POPULATIONS -- (NEARBY GALAXIES) --1114 - "STELLAR POPULATIONS AND CLUSTERS IN ELLIPTICAL GALAXÍES (WF/PC-11) "

Keywords: STELLAR POPULATIONS, GALAXIES, GLOBULAR CLUSTERS, DISTANCE

INDICATORS, HUBBLE CONSTANT

Proposers: James A. Westphal (PI; Caltech)

Much of the luminous matter in the universe lies in large ellipitcal galaxies, but they are the type for which we know the least about stellar content. With WF/PC, incipient resolution of individual stars can be expected for ellipticals out to a modulus of 30.5 mag., while significant new information about the retinue of globular clusters surrounding ellipticals can be learned out to a modulus of 35.5 mag. A pixel-histogram technique, tested by simulations, will permit the top of the H-R diagram and the top of the stellar luminosity function to be characterized. The luminosity function for globular clusters in ellipticals will be more completely determined and their role as distance indicators more completeley developed, with possible application to improving the distance to the Coma Cluster (z = 0.022) and the determination of Ho.

: 87A

Prop. Type: GTO/WFC Selection Cycle

GALAXIES CLUSTERS -- (COSMOLOGY) --

1115 - "FAINT CLUSTERS OF GALAXIES (WF/PC-10) "

Keywords : BRIGHTEST GALAXY, COSMOLOGY, SPIRAL GALAXY, GALAXY EVOLUTION,

GALAXY MORPHOLOGY, DISTANT GALAXY CLUSTER

Proposers: James A. Westphal (PI; Caltech)

Ten distant clusters of galaxies, with redshifts from 0.39 to about 1.2, will be imaged in two colors corresponding to rest wavelengths of about 3600 and 5000 angstroms. The primary object of the study is to investigate the color and morphological evolution of cluster galaxies. Sufficient signal-to-noise will be obtained for all objects to see spiral structure if present in the brighter galaxies, and the morphologies of the clusters cover the range from extremely open to extremely compact. In addition, the data will yield structural parameters for the bright cluster ellipticals in the sample, which will aid in interpreting the classical Hubble diagram for the determination of the deceleration parameter. Several of the nearby clusters exhibit the Butcher-Oemler excess of blue galaxies and these data should elucidate their nature.

Prop. Type: GTO/WFC Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) -- 1116 - "STRUCTURE OF QUASARS AND RELATED OBJECTS (WF/PC-12) "

Keywords: QUASAR, AGN, RADIO GALAXY, EMISSION LINE GALAXY, BL LAC OBJECT

Proposers: James A. Westphal (PI; Caltech)

The aims of the program are (1) to detect, and to study the morphology of galaxies underlying QSOs and AGNs, galaxies associated with them in groups and clusters, and associated structures such as jets; (2) to detect bright nuclear and extranuclear structure on small angular scales; (3) to detect and examine additional images and lensing galaxies in gravitational lenses; (4) to detect extended emission line structure in quasars.

Prop. Type: GTO/WFC Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) -- 1117 - "GLOBULAR CLUSTERS IN M31 AND NGC205 (WF/PC-13) "

Keywords : GLOBULAR CLUSTERS, LOCAL GROUP, POPULATION II, HR DIAGRAMS,

HALOS, STELLAR POPULATIONS, SPIRAL GALAXIES

Proposers: James A. Westphal (PI; Caltech)

HR diagrams and radial density profiles will be studied for three globular clusters in M31 and one in NGC205 using direct Wide Field Camera images in filters F555W and F785LP. The clusters span a range in line strength from H VIII and M IV (very metal-poor), through M II, to K58 (slightly sub-solar). Problems to be studied include the luminosity fuction of stars on the cluster giant branch, their spread in temperature, horizontal-branch

morphology, and the tidal radii of the clusters. Of special interest is the apparent magnitude of the horizontal branch and its possible utility as a distance indicator. The HR diagram of any background stellar population in the halo of M31 and the general field of NGC205 will also be compiled, and the age and metallicity distribution of the background population studied.

Prop. Type: GTO/WFC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) -- 1118 - "NUCLEI OF NEARLY NORMAL GALAXIES (WF/PC-14) "

Keywords: GALACTIC NUCLEI, GALACTIC BULGES, LOCAL GROUP, DUST LANES,

GLOBULAR CLUSTERS, SURFACE PHOTOMETRY

Proposers: James A. Westphal (PI; Caltech)

Direct images of the nuclei of nearby galaxies taken with the Planetary Camera will be used to measure the space density profile of luminous material and the nuclear color gradients in these objects. Galaxies will be imaged with the F555W and F785LP filters. Serveral objects known to contain ionized gas will also be imaged in narrow-band filters to obtain the gas distribution. In M31 a special series of ultra-violet exposures will be taken to study the hot stellar population. The sample of objects contains several normal ellipticals covering a broad range in nuclear surface brightness and concentration class, several nearby galaxies covering a range of Hubble types, and a few Seyfert and otherwise slightly abnormal nuclei. The images taken will also be searched for bright stars, inner globular clusters, and absorbing interstellar dust.

Prop. Type: GTO/WFC

Selection Cycle : 87A

GALAXIES _CLUSTERS -- (DISTANCE SCALE) -1119 - "CEPHEID DISTANCE SCALE (WF/PC-15) "
Keywords: SPIRAL GALAXY, CEPHEID, SUPERGIANT, DISTANCE SCALE, HUBBLE

CONSTANT, COSMOLOGY

Proposers: James A. Westphal (PI; Caltech)

The most reliable distance indicators we have at the nearby end of the extragalactic distance scale are Cepheid variables. The extension of the Cepheid scale to distances of the order of the Virgo Cluster has been one of the major promises that ST has offered since its inception. We will study five galaxies, three somewhat nearer than Virgo (NGC 2903, 4559, and 5033) and two Virgo galaxies (4535 and 4321), all with the aim of both determining a distance for its own sake and for the calibration of secondary indicators, primarily (with the obvious exception of 4321) the infrared Tulley-Fisher relation, but including brightest stars, globular clusters, and others. The scheme involves ten exposures on each galaxy with a sequence of exposure times designed to allow discovery and period determination to sufficient accuracy for stars with periods of ten to thirty days, and supplementary multicolor photometry to make use of period-luminosity-color/reddening-bucking relations.

Prop. Type: GTO/WFC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1120 - "STELLAR POPULATIONS IN LOCAL GROUP GALAXIES (WF/PC-16) "

Keywords : STELLAR POPULATIONS, GALAXIES, SPIRAL ARMS, DÍSKS, BULGES, M31. Proposers: James A. Westphal (PI; Caltech)

The goal of this WF/PC project is to extend our knowledge of the stellar population in arms, disks, and bulges of some of the nearest star-producing galaxies. (Other populations in nearby galaxies are dealt with in other parts of the WF/PC teams's GTO program). Our targets include young associations in M31 and M33, disk regions in M31 and M33, bulge regions in M31 and M81, and the general field in IC1613. The fields in M31 lie at stepped distances from the nucleus out to the vicinity of Baade Field IV. Deep U, V, I frames will be used to construct color-magnitude and

color-color diagrams, and to derive age, metallicity, reddening, and

Prop. Type: GTO/WFC

luminosity functions.

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1121 - "STELLAR FORMATION AND EVOLUTION (WF/PC-17) " Keywords: STAR FORMATION, STELLAR EVOLUTION

Proposers: James A. Westphal (PI; Caltech)

High resolution images will be obtained for a small number of T Tauri stars, Herbig-Haro objects, and objects whose evolutionary state is uncertain. Most of the young stellar objects are in the Taurus complex, which is near enough that the high resolution afforded by ST will explore physical scales never before seen in these objects. Limited temporal coverage will also be obtained to search for structural variations at small scales.

Prop. Type: GTO/WFC

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (CIRCUMSTELLAR MATTER) -- 1122 - "CIRCUMSTELLAR MATERIAL (WF/PC-18)"

Keywords: CIRCUMSTELLAR MATERIAL, PROTO-PLANETARY DISCS

Proposers: James A. Westphal (PI; Caltech)

The cold circumstellar material discovered around a number of nearby stars by IRAS will be examined to determine the spatial distribution of the material around the individual stars, including estimates of the amount of distributed mass as a function of distance from the star. Such studies should provide insight into the formation and evolution of the proto-planetary disc that once surrounded the Sun.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

-- (INNER PLANETS) --

1123 - "MERCURY JOINT PROJECT WITH CALDWELL (WF/PC-19) "

Keywords: MERCURY, SURFACE PHOTOMETRY, CRATER COUNTS

Proposers: James A. Westphal (PI; Caltech)

We propose to take high resolution, multispectral images of the planet Mercury with the WF/PC using the Earth to shield the Sun. The data will be taken as Mercury rises above the Earth's limb. These data should obtain images with a resolution of 30 km on the side of Mercury not seen by the Mariner 10 spacecraft.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

-- (INNER PLANETS) --

1124 - "VENUS (WF/PC-20) "

Keywords: VENUS, ATMOSPHERE, UV MARKINGS Proposers: James A. Westphal (PI; Caltech)

These observations will obtain high resolution views of the upper atmosphere of Venus in the UV. Ground-based and spacecraft images of the atmosphere show low contract markings in the upper atmosphere of Venus. The observations will explore the imaging possibilities deeper into the UV, probing different depths into the atmosphere.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

-- (MINOR PLANETS) --

1125 - "ASTEROIDS (WF/PC-21) "

Keywords : ASTEROIDS, SATELLITES

Proposers: James A. Westphal (PI; Caltech)

There have been a number of visual and photo-electric observations of secondary events associated with occulations of stars by minor planets. These observations are suggestive of satellites for those minor planets. If one minor planet satellite is found, then it is expected that many minor planets would have satellites, unless there is a feature in the process of formation and evolution of the minor planets which favors uniqueness. In addition to the significance of satellites of minor planets to the theory of the formation of the solar system, the discovery of satellites and the determination of their periods will permit the determination of the masses of the minor planets. This is the only way to determine accurate values for the masses and hence the densities and compositions. These observations will be used to search for direct images of satellites brighter than 22nd magnitude around several asteroids where unconfirmed observations of satellites have been reported.

Selection Cycle : 87A Prop. Type: GTO/WFC

> -- (GIANT PLANETS) --SOLAR SYSTEM

1126 - "JUPITER - SOLAR SYSTEM (WF/PC-22)" Keywords : JUPITER, ATMOSPHERE DYNAMICS Proposers: James A. Westphal (PI; Caltech)

This program will obtain two four-color complete 360 degree maps with the WF/PC to measure the Jovian atmospheric motion. The first set will be obtained within a ten-hour period to allow for adequate overlap between the longitudinal strips. Then twenty hours later a second map set will be obtained to complete the dynamical set. Since Jupiter rotates approximately fifty degrees per HST orbit, these dynamical sets should be obtained for eight sequential orbits. UV imaging at the high spatial resolution of HST provides an excellent method of studying the upwelling processes, especially in the time domain.

Selection Cycle : 87A Prop. Type: GTO/WFC

SOLAR SYSTEM -- (SATELLITES, RINGS) -- 1127 - "JOVIAN RING - SOLAR SYSTEM (WF/PC-23) "

Keywords: JUPITER RING SYSTEM, JUPITER INNER SATELLITES

Proposers: James A. Westphal (PI; Caltech)

The newly discovered ring of Jupiter has only 3 or 4 data sets to describe the nature and characteristics of the very tenuous ring. The best data set were obtained by the Voyager spacecraft. HST will give much higher spatial resolution of the ring in a back scattering lighting condition at very low phase angles. These high signal-to-noise data will allow much better radius and albedo limits to be set. The observations would require Jupiter to be situated on one CCD and allow the ring, which is some six magnitudes fainter, to be imaged on an adjacent chip. These data would allow detection of the inner moons of Jupiter, including Adrastea which is located on the edge of the bright ring component of the Jovian ring system. The long time base since first discovery by Voyager would allow a very accurate determination of the orbital period. Spectral coverage will give some additional information on albedo and surface composition.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

-- (MINOR PLANETS) --

1128 - "IO VOLCANISM (WF/PC-24) "

Keywords: IO, VOLCANISM

Proposers: James A. Westphal (PI; Caltech)

Voyager observed volcanos on Io. These volcanos should be evident when they are observed in the UV and the volcanic plumes are located on the satellite limb. The observations will determine if the same volcanos that Voyager observed are still active and also if new volcanic activity is present.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

-- (GIANT PLANETS) --

-- (SATÉLLITES, RINGS) --

1129 - "SATURN - SOLAR SYSTEM (WF/PC-25) " Keywords : SATURN, ATMOSPHERE DYNAMICS Proposers: James A. Westphal (PI; Caltech)

> This program will obtain two four-color complete 360 degree maps with the WF/PC to measure the Saturnian atmospheric motion. The first set will be obtained within a ten-hour period to allow for adequate overlap between the longitudinal strips. Then twenty hours later a second map will be obtained to complete the dynamical data set. Since Saturn rotates approximately fifty degrees per HST orbit, these dynamical sets should be obtained for seven sequential orbits. UV imaging at the high spatial resolution of HST provides an excellent method of studying the upwelling processes, especially in the time domain.

Prop. Type: GTO/WFC

Selection Cycle : 87A

SOLAR SYSTEM

1130 - "SATURN B-RING SPOKES (WF/PC-26) "

Keywords: SATURN, B-RING, SPOKES

Proposers: James A. Westphal (PI; Caltech)

Voyager S/C detected some low contrast features in the B-ring of Saturn which were dubbed 'spokes'. The origin, evolution, composition and dynamics of the spokes are not well understood. The objective of these observations is to determine the photometric properties of the spokes as a function of time and other external circumstances, such as solar elevation, and Saturn phase. The proposed observational sequence includes multispectral imaging over a 12 hour period.

Prop. Type: GTO/WFC Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) --

1131 - "SATURN SATELLITE SEARCH (WF/PC-27) "

Keywords: SATURN, SATELLITÈS, JANUS, EPIMETHEUS, TELESTO, CALYPSO, ATLAS

Proposers: James A. Westphal (PI; Caltech)

The purpose of these observations is to determine the positions of satellites that cannot be observed from the ground (coorbital and shepherding satellites), and that have been indicated by Voyager but not confirmed (satellites in the orbits of the coorbitals, Mimas, Tethys, and Dione), and to do a completeness survey for satellites in the Saturnian system down to 22nd magnitude between the A ring and Dione.

Prop. Type: GTO/WFC Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) --

1132 - "URANUS AND RINGS (WF/PC-28) "

Keywords: URANUS, PLANETARY ATMOSPHERES, URANUS RING SYSTEM

Proposers: James A. Westphal (PI; Caltech)

WF/PC obsevations will provide high-resolution images of Uranus and its rings in spectral regions not covered by Voyager imaging cameras and/or not possible from the Earth-based observations. At short wavelengths, the global reflectivity of Uranus is less than that of a pure Rayleight atmosphere; thus structure may be visible. The set of observations will be repeated one month later to study secular changes. The ring system and the associated satellites will be observed with the Planetary Camera.

Prop. Type: GTO/WFC Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) --

1133 - "URANUS SATELLITE AND RING SEARCH (WF/PC-29) "

Keywords : SATELLITES, URANUS, RINGS

Proposers: James A. Westphal (PI; Caltech)

The narrow rings of Uranus have been discovered and observed by occulations of stars. Images of the individual rings have not been achieved. These observations are an attempt at direct imaging of the individual rings. The narrow rings of Uranus, according to theory, are constrained by shepherding satellites. The observations will be searched for shepherding satellites brighter than 22nd magnitude and a completeness survey of inner satellites of Uranus down to that magnitude will be performed. The short exposures will provide accurate positions of the known satellites and a means of determining the positions of the faint discovery satellites with respect to Uranus.

Selection Cycle : 87A Prop. Type: GTO/WFC

> -- (SATELLITES, RINGS) --SOLAR SYSTEM

1134 - "NEPTUNE AND RINGS (WF/PC-30) "

Keywords: NEPTUNE, PLANETARY ATMOSPHERES, NEPTUNE RING SYSTEM Proposers: James A. Westphal (PI; Caltech)

Observations will provide high-resolution images of Neptune and its rings in spectral regions not covered by Voyager spacecraft cameras and/or not possible from the Earth-based observations. At short wavelengths, the global reflectivity of Neptune is less than that of a pure Rayleigh atmosphere; thus structure may be visible. Observations will be made in four sequences, distributed over 18 hours. The tenuous ring system and the associated satellites will be observed with the Planetary Camera.

Prop. Type: GTO/WFC Selection Cycle : 87A

-- (SATELLITES, RINGS) --SOLAR SYSTEM

1135 - "NEPTUNE SATELLITE AND RING SEARCH (WF/PC-31) "

Keywords: SATELLITES, NEPTUNE, RINGS Proposers: James A. Westphal (PI; Caltech)

There have been reports of the detection of a ring around Neptune and also of negative results. The Neptune satellite system is unusual with two satellites of very different types. These observations are designed for a search for rings and satellites around Neptune to a completeness limit of 23rd magnitude or fainter. The short exposures will provide reference positions.

Prop. Type: GTO/WFC Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS, PLUTO) --

1136 - "PLUTO AND ITS SATELLITE (WF/PC-32) " Keywords: PLUTO, CHARON, PLANET, SATELLITE

Proposers: James A. Westphal (PI; Caltech)

These observations are intended to obtain high resolution, high S/N pictures of Pluto and its satellite so that surface colors, diameters, separations and orbital characteristics can be determined. The observations will be taken as a series at three wavelengths and the series will be taken separated in time to give different sides of Pluto and positions of the satellite in its orbit for accurate orbital characteristics.

Prop. Type: GTO/WFC

Selection Cycle

: 87A

-- (COMETS) --SOLAR SYSTEM

1137 - "COMPOSITION AND STRUCTURE OF COMETARY COMAE (WF/PC-33) "

Keywords : COMETS, HALLEY'S COMET

Proposers: James A. Westphal (PI; Caltech)

A "target of opportunity" comet will be imaged to resolve the profile shape and comet coronal properties of this nearby comet. The observations will be planned to allow the sublimation process to be monitored for comparison to other comet coronae and with coronal models.

Prop. Type: GTO/WFC

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1138 - "MISCELLANEOUS (WF/PC-34) "

Keywords: X-RAY STAR, SUPÉRNOVA REMNANT, BIPOLAR NEBULA, PULSAR, POLARIMETRY, PHOTOMETRY

Proposers: James A. Westphal (PI; Caltech)

This WF/PC GTO program covers a small group of targets all but one of which are related to the birth and death of stars. These include the Crab, Eta Carina, SS433, and Cygnus Loop, and four bipolar outflow sources. In each case high spatial and S/N imaging will be conducted to better understand the morphology and motions in these unusual objects. Transmission grating, UV and V exposures of NGC 6712, a globular cluster with a central X-ray source, will be taken to identify sources with unusual spectra.

Prop. Type: GTO/AST

Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) --

1139- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PROPOSAL 1139 (JOINT OBSERVATIONS)."

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTÉRNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin),

J. Westphal (California Institute Of Technology)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs, and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in

Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) -- 1140 - "WEAK ABSORPTION LINES IN 3C273 "
Keywords : OULGAR ABSORPTION LINES IN 3C273 "

Keywords: QUASAR, ABSORPTION LINES, HALO

Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.), J.Brandt (U. Of Colorado)

HRS spectra of 3C273 will be obtained in the R=20000 mode over the range 1210-1425A and at selected longer wavelengths to detect weak absorption lines. Detections of, or upper limits on low column density remnants of the Lyman Alpha Forest at low redshifts will be made as well as profiles of such lines. Profiles of lines arising in the halo of our galaxy will also be obtained.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --

1141 - "HIGH RESOLUTION SPECTROSCOPY OF THE NUCLEUS OF NGC 4151 "

Keywords: SEYFERT GALAXY, AGN, EMISSION LINE, HALO, ABSORPTION LINES Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.),

E.Beaver (Uc, San Diego), A.Boggess (Nasa, Goddard Space Flight Center), S. Heap (Nasa, Goddard Space Flight Center), J. Hutchings

(Dominion Astrophysical Observatory; Canada), B. Savage

(Wisconsin, University Of)

Spectra of the Nucleus of NGC 4151 will be obtained in the R=20000 mode with HRS to study detailed emission and absorption structure of selected features as well as obtain spectra of halo absorption. An off-nuclear exposure set will examine any structure in the emission lines. Repeat nuclear observations will check for changes that may have occurred in fine detail in the C IV emission line profile.

Selection Cycle

: 87A

QUASARS AGN -- (QUASAR ABSORPTION) --1142 - "HIGH S/N SPECTRA OF 3 INTERMEDIATE REDSHIFT QUASARS "

Keywords: QUASARS, ABSORPTION LINES

Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.)

Very high S/N FOS spectra at R=1200 will be obtained of 3 QSOs (PKS 0405 -123, PG 1634+706 and PG 1718+481) shortward of their Lyman Alpha emission lines. The objective is to determine the exact wavelengths of Lyman Alpha absorption lines (and Lyman Beta where possible) down to very small rest equivalent widths. A selected subset of these lines of varying rest equivalent widths will be studied at R=20000 with HRS as described in a separate proposal, 1143.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) --

1143 - "PHYSICAL PROPERTIES OF LYMAN ALPHA LINES AT INTERMEDIATE REDSHIFT "

Keywords: QUASAR, ABSORPTION LINES, PROFILES

Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.),

J.Brandt (U. Of Colorado)

High resolution (R=20000) spectra with HRS will be obtained of a selection of Lyman alpha (and higher order members) lines in 3 QSOs of intermediate redshift. The lines selected will cover a range of equivalent widths from very weak (less than or equal to 50 mA rest) to very strong. The profiles will be analyzed to determine the column densities, Doppler parameters, and non-thermal mass motions present in the clouds. These data will be used to discuss the physical conditions in the Lyman alpha clouds.

Prop. Type: GTO/HRS

Selection Cycle : 87A

-- (QUASAR ABSORPTION) --QUASARS AGN 1144 - "LINEAR EXTENT AND IONIZATION CONDITIONS IN LYMAN ALPHA CLOUDS " Keywords: QUASARS, ABSORPTION LINES, HELIUM

Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.)

Spectra of the QSO pair Ton 155,156 will be obtained with FOS over the range 1200-2300 A to search for any absorption systems which may or may not be in common with the two, thus setting limits on the linear size of the clouds. HRS observations in the R=2000 mode will be made in the region 1625-1340 A of PG 1115+08 to find any HeI counterparts of the Lyman Alpha forest; and at R=20,000 at 2760 A.

QUASARS AGN -- (HOST GALAXY) --

1145 - "IMAGING AND SPECTROSCOPY OF THE LOW REDSHIFT BALQSO PG 1700+518 "
Keywords: QUASAR, ABSORPTION LINES, UNDERLYING GALAXY, MORPHOLOGY
Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.),

D. Turnshek (Space Telescope Science Institute)

Imaging with FOC and Spectroscopy with FOS will be carried out on the low redshift BALQSO PG 1700+518 to study the physics and morphology of the absorbing clouds and their relations to the galaxy morphology.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) -- 1146 - "SPECTROSCOPIC STUDIES OF SEVERAL HIGH REDSHIFT BALQSOS"

Keywords: QUASARS, ABSORPTION LINES

Proposers: Ray J. Weymann (PI; Mount Wilson And Las Campanas Obs.),

E.Burbidge (Uc, San Diego), R.Cohen (Uc, San Diego), C.Foltz (Arizona, University Of), G.Hartig (Space Telescope Science Institute), V.Junkkarinen (Uc, San Diego), D.Turnshek (Space

Telescope Science Institute)

A survey of the UV spectra of 7 high redshift Broad Absorption Line Quasars (BALQSOs) will be carried out with the prism and low dispersion mode of FOS. Depending upon the flux levels and the features detected, one or two of these objects will be studied further at the R=1200 resolution mode.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1147 - "LINE PROFILES OF ROTATING STARS"

Keywords: B STARS, ROTATION, GRAVITY DARKENING, LINE PROFILES

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

HRS will be used in echelle mode to obtain line profiles of far UV features in highly rotating B stars. Comparison of these profiles with those at longer wavelengths obtained from the ground will be used to understand the surface gravity darkening and determine the orientation of the stellar rotation axis.

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1148 - "HOT PULSATING WHITE DWARFS "

Keywords: HOT STARS, WHITE DWARFS, PULSATIONAL INSTABILITIES

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

Continuous series of spectra with 1 minute time resolution will be taken of two hot subdwarfs with pulsational instabilities. The high time resolution will allow anlysis of the UV continuum variations which will reveal the type of pulsation. Suitable data timing should also reveal line feature changes in profile and velocity. One star is an eclipsing binary and data will be taken at key orbital phases.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1149 - "HR DEL PHASE DEPENDENT WIND "

Keywords: CATACLYSMIC VARIABLE, MASS-LOSS, STELLAR WIND, OLD NOVA, UV

SPECTROSCOPY

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

The CIV lambda1550 resonance line will be observed at medium HRS resolution, at 5 orbital phases, to study the phase dependence of the wind from the system. Low resolution IUE data have shown that a wind is seen in the star, with apparent but unresolved changes in an orbit. The data will be used in understanding mass flows in a CV binary system viewed at a known angle.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1150 - "STELLAR WINDS IN M31, M33 "

Keywords: HOT STARS, MASS-LOSS, STELLAR WINDS

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory; Canada), P. Massey (Noao, Kitt Peak National Observatory)

We will obtain UV spectra of OB supergiant stars in M33 AND M31 to study stellar wind phenomena (resonance line profiles and velocities, stellar effective temperatures). We will also derive approximate UV extinction curves for these galaxies. These observations relate to global comparisons between galaxies of different types. WFC UV grating images are requested in parallel to study the OB star population and extinction in these galaxies.

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1151 - "LMC X-RAY SOURCES "

Keywords : X-RAY BINARY, HOT STAR, STELLAR WIND

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

HRS low dispersion spectra and FOS high dispersion spectra wil be obtained in the UV to study stellar wind lines at selected orbital phases. In LMC X-4, these will be carried out at two precessional phases as well. The data will be used to study stellar wind ionisation and velocity changes with X-ray binary phase, and with variable accretion disk obscuration of X-rays. WFC images with UV grating and UV filter in parallel to study LMC hot star population.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1152 - "STELLAR WIND VARIATIONS "

Keywords: OB STARS, STELLAR WINDS, BINARIES, TIME VARIATIONS

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

UV spectroscopy will be done at 2 x 10super4 resolution on the principal stellar wind lines of 0B stars with mass-loss. Each star will be observed twice to study time changes in line profiles. Several stars are interacting binaries. These will also be observed at key binary phases to study phase dependent wind variations. WFC parallel observations with UV grating are requested on one SMC star.

Prop. Type: GTO/HRS Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (DUST) --

1153 - "UV INTERSTELLAR EXTINCTION IN THE SMC "

Keywords: REDDENED BO STARS IN SMC FOR UV EXTINCTION

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

IUE spectra have shown that the SMC has high UV extinction compared with the galaxy. Because of this IUE data have not been good enough to define the extinction curve well. This proposal is to obtain good S/N data on reddened and unreddened stars of the same type in the SMC, to obtain better estimate of the UV extinction curve. Parallel WFC exposures in the SMC with the prism will pick out hot stars for further studies and map the UV extinction.

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) -- 1154 - "SPECTROSCOPY OF QSO HOST GALAXIES "

Keywords: QUASARS, HOST GALAXIES, INTERACTING GALAXIES

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada)

FOS spectra will be taken at selected off-nuclear positions of nearby QSOs. Ground-based imaging has indicated features of interest at these places, such as blue regions, spiral arms, bright areas, or interacting faint companion galaxies. The investigation will determine the velocities and nature of the faint luminous regions surrounding these QSOs.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) --

1155 - "UV LINE PROFILES OF AM HER STARS"

Keywords : AM HER STARS, EMISSION LINE PROFILES, MAGNETIC FIELDS

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada), A.Cowley (Arizona State University), D.Crampton

(Dominion Astrophysical Observatory; Canada)

AM Her type binaries contain highly magnetic accreting White Dwarf stars. Emission lines originate in complex columns of accreting material and their profiles change significantly in times of a few minutes as the line of sight geometry alters with binary phase. IUE data reveal that emission lines are present in the UV spectrum but lack the spectral and time resolution to study profile changes. The UV resonance lines arise in different parts of the accretion column from the visible - so will allow new insights into the accretion mechanisms.

Prop. Type: GTO/HRS

Selection Cycle : 87A

Keywords: QSO, AGN, LINE PROFILE, UV SPECTRA

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada), M.Derobertis (Uc, Santa Cruz)

HRS will be used at medium dispersion to obtain profiles of UV emission lines of low redshift QSOs, and Sy 1 galaxies. Repeat observations will be made to observe changes.

QUASARS AGN -- (HOST GALAXY) --

1157 - "IMAGING OF DISTANT ACTIVE GALAXIES "

Keywords : HOST GALAXIES, IMAGING OF QUASARS

Proposers: John B. Hutchings (PI; Dominion Astrophysical Observatory;

Canada), A.Gower (Victoria, University Of; Canada), J.Kormendy

(Dominion Astrophysical Observatory; Canada)

WF/PC will be used to image two objects of interest in various wavelengths.

1) The quasar 2305+187 which is marginally resolved as interacting from the ground; 2) The galaxy NGC 4874 which is marginally resolved as having a bright nucleus and dust lane from the ground.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1158 - "CORONAL FLARES "

Keywords : CORONAE, FLARE STARS, X-RAY STARS, M DWARFS

Proposers: Stephen P. Maran (PI; Nasa, Goddard Space Flight Center),

J.Brandt (Colorado, University Of), K.Carpenter (Colorado, University Of), J.Linsky (Colorado, University Of), R.Shine (Lockheed Palo Alto Res. Lab.), F.Walter (Colorado, University Of)

Of), B. Woodgate (Nasa, Goddard Space Flight Center)

We will observe coronal flares in AU Mic with the HRS. Spectral coverage is traded in favor of time resolution; a single grating setting in medium resolution mode, however, allows us to observe emissions from Fe XXI, Fe XII, and 0 V, so that the emissions from flare plasmas at 1E7 K, 1.6E6 K, and 2.5E5 K can be compared. The same setting allows us to monitor bright lines of 0 I and C I, so that coronal flares can be related to activity in the 10,000 K plasma. Groundbased observations will be scheduled to determine the response of photospheric gas to the coronal flare; radio and X-ray observations will also be arranged or solicited if possible.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1159 - "CORONAL LINE SURVEY IN LATE-TYPE STARS "

Keywords: CORONAE, LATE-TYPE STARS, X-RAY STARS, CORONAL ACTIVITY Proposers: Stephen P. Maran (PI; Nasa, Goddard Space Flight Center),

J.Brandt (Colorado, University Of), K.Carpenter (Nasa, Goddard), J.Linsky (Colorado, University Of), R.Shine (Lockheed Palo Alto Res. Lab.), F.Walter (Colorado, University Of), B.Woodgate

(Nasa, Goddard Space Flight Center)

This is the first survey of coronal lines in the ultraviolet spectra of late-type stars. The eight targets were chosen on the basis of large apparent X-ray fluxes and large ratio of hot-to-cool component in X-ray

fluxes. The objectives are to detect and measure coronal lines, together with transition region and chromospheric lines that can be observed at the same HRS grating setting, to investigate the temperature, density distribution in the outer atmospheres of late-type stars, and to look for possible activity in the coronal lines, since even targets that are not recognized flare stars on the basis of present data on chromospheric and photospheric activity may produce detectable flares when observed in coronal lines. For maximum signal-to-noise in the coronal lines, assuming the corona is quiet, all of the observing time allocated per star is used at a single grating setting. However, brief exposures are made in repeat observation mode so that if the lines are bright, presumably due to flaring, variability information will be preserved. The results will be analyzed together with available X-ray data and other relevant observations from other facilities.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --1160 - "ABSORPTION CLOUD PHYSICS IN SEYFERT GALAXY NUCLEI "

Keywords : SEYFERT GALAXIES, BROAD LINE CLOUDS, X-RAY SOURCES

Proposers: Stephen P. Maran (PI; Nasa, Goddard Space Flight Center),

J.Brandt (Colorado, University Of), J.Hutchings (Dominion Astrophysical Observatory; Canada), R. Mushotzky (Nasa, Goddard

Space Flight Center), A.Smith (Nasa, Goddard Space Flight

Center), R. Weymann (Mt. Wilson Las Companas Obs.)

This is an investigation of the clouds associated with the broad line region in the nuclei of Seyfert galaxies. The targets are low-luminosity, unreddened Seyferts, X-ray selected for column densities of cool (below 1 million K) gas that exceed 10(superscript 22) atoms/sq cm. Of the three higher-priority targets, in NGC 3227 and NGC 3783 the X-ray covering fraction has been measured, while in NGC 3516, there is strongly variable X-ray absorption and IUE observations reveal C IV absorption but do not show Mg II absorption. HRS observations are proposed that will locate C IV and Mg II absorption lines due to individual clouds and determine physical properties in the absorbing material, the covering fraction of the absorbing clouds, and the column density in a single cloud. Temporal changes in the absorption lines will be studied.

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1161 - "INTRINSIC AND INTERSTELLAR LINES IN A HOT, HE-RICH WHITE DWARF " Keywords: WHITE DWARF STARS, LOCAL INTERSTELLAR MEDIUM, DEUTERIUM Proposers: Stephen P. Maran (PI; Nasa, Goddard Space Flight Center),

F. Bruhweiler (Catholic University Of America), Y. Kondo (Nasa,

Goddard Space Flight Center)

This is a program to obtain data at high signal-to-noise at the wavelengths of intrinsic and interstellar lines in HD 149499B. The target is at a distance of 34 pc and is the brightest He-rich white dwarf. Thus, it should pose the least problem with stellar H I contamination among stars suitable for use in deriving the D/H ratio in the local interstellar medium. The observations will also address the question of whether He-rich white dwarfs are subject to the effects of convective dredge-up of C. Finally, the measurements of lines of selected ions will provide useful information on the role of radiative levitation in the atmosphere of the star.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --1162 - "INTERSTELLAR ABUNDANCE TOWARD TWO STARS WITH HIGH DEPLETION "

Keywords : INTERSTELLAR, GAS, SPECTROSCOPY, UV

Proposers: Blair D. Savage (PI; Wisconsin, University Of)

5 HRS 10 resolution spectra of many interstellar lines will be obtained for Rho Oph A (HD 147933) and NU Ori (HD 37061). The data will be used to study the heavy element depletion and gas physical conditions toward stars with large gas to E(B-V) ratios.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (ABSORPTION LINES) --

1163 - "ABSORPTION BY EXTRAGALACTIC GASEOUS HALOS "

Keywords : SPECTROSCOPY, QUASAR, GALAXY HALOS, ABSORPTION LINES

Proposers: Blair D. Savage (PI; Wisconsin, University Of)

FOS spectra of bright quasars situated off the edges of foreground galaxies will be obtained to search for UV absorption produced by extragalactic halo gas.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --1164 - "SPECTROSCOPY OF THE CENTRAL OBJECTS OF NGC 3603 "

Keywords: SPECTROSCOPY, STARS

Proposers: Blair D. Savage (PI; Wisconsin, University Of), D. Ebbets (Space

Telescope Science Institute)

The central object of NGC 3603 has spectroscopic characteristics very similar to R136a. In this program HRS G140L spectra will be obtained of the two UV brightest components of the central object. The goal is to determine the nature of the central objects of giant H II regions.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1165 - "SPECTROSCOPY OF MILKY WAY HALO GAS "

Keywords: INTERSTELLAR, GAS SPECTROSCOPY, UV, HALO

Proposers: Blair D. Savage (PI; Wisconsin, University Of), D. Ebbets (Space

Telescope Science Institute)

Milky Way halo gas will be studied at resolutions of E+5 and 2xE+4 by observing selected interstellar lines toward galactic and extragalactic objects. Information about kinematics, physical condition, and abundances in the as will be obtained.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1166 - "INTERSTELLAR ABSORPTION TOWARD THE LMC AND SMC "

Keywords: INTERSTELLAR, GAS, SPECTROSCOPY, UV

Proposers: Blair D. Savage (PI; Wisconsin, University Of), J. Brandt (Nasa,

Goddard Space Flight Center)

HRS E+5 and 2xE+4 resoulution spectra will be obtained of selected interstellar lines toward HD 36402 in the LMC and HD 5980 in the SMC. The data will be used to determine physical conditions and abundances in Milky Way and Magellanic Cloud gas.

Selection Cycle :

87A

QUASARS AGN -- (ABSORPTION LINES) --

1167 - "METALLIC ABSORPTION LINES IN THE HALO OF NGC 3067 "

Keywords: SPECTROSCOPY, QUASAR, GALAXY HALOS, ABSORPTION LINES

Proposers: Blair D. Savage (PI; Wisconsin, University Of), J.Brandt (Nasa,

Goddard Space Flight Center), R. Weymann (Arizona, University Of)

This program will investigate the velocity structure and abundances of Fe II and Mg II in the halo and/or extended disk of NGC 3067. HRS 20,000 resolution spectra will be obtained at 2800 and 2590 A for 3C232.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1168 - "INTERSTELLAR CARBON AND OXYGEN "

Keywords: INTERSTELLAR ABUNDANCES

Proposers: Michael Jura (PI; Uc, Los Angeles)

This work is to observe interstellar oxygen and carbon within 1 kpc of the sun. The goal is to measure the gas phase abundaces of these species, the densities and temperatures within the clouds, the amount of CO, the electron densities, and the mean intensity of the ultraviolet radiation field. These numbers will greatly improve our understanding of the interstellar medium.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1169 - "GAS DYNAMICS AROUND MIRA B "

Keywords : INTERACTING BINARY

Proposers: Michael Jura (PI; Uc, Los Angeles), F. Paresce (Space Telescope

Science Institute)

Mira B is powered by accretion from the wind of the red giant companion. The aim of this work is to understand better the process of accretion by obtaining spectra and images of the flow. Also, as has been proposed for other objects powered by gravitational accretion, we hope to determine if there is also some outflow from Mira B

Selection Cycle : 87A Prop. Type: GTO/HRS

QUASARS AGN -- (QUASAR EMISSION) -- 1170 - "UV SPECTROSCOPY OF LOW-REDSHIFT ACTIVE GALAXIES "

Keywords : ACTIVE GALACTIC NUCLEI, SEYFERT, LINE PROFILES, BROAD LINE

REGION, NARROW LINE REGION

Proposers: Albert Boggess (PI; Nasa, Goddard Space Flight Center), C.Wu

(Computer Science Corporation)

HRS will be used to measure the ultraviolet spectrum of active galaxies. Complementary and simultaneous visual and infrared data will also be obtained. The profile of the emission lines will provide information on the broadening mechanism and dynamics of the emitting regions. Comparison of the profile and radial velocity of the emission lines produced by species of different ioni- zation potential will allow the study of the thermal and density stratification of the emitting regions. The degree of asymmetry of lines at different wave- lengths will allow the absorbing material be identified and located. The ratio of the UV to visible lines, such as those for 0 I and He II will be used to estimate the reddening along the line of sight. Ratio of emission line fluxes will be compared with models in order to derive the ionization mechanism, elec- tron temperature and density, and chemical composition of the emitting gas. The emission line properties of low luminosity will be compared with those of high luminosity objects in order to investigate the covering factor and evolutionary effects. The continumm spectrum from the UV to the IR will be used to establish the emission mechanism and the nature and luminosity of the energy source. The weak absorption lines will be used to establish the physical conditions and the chemical composition of the gas in: our Galaxy, intergalactic medium and the parent galaxy. Absorption produced by broad line clouds will give information on cloud motion and covering factor.

Prop. Type: GTO/HRS Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1171 - "STUDIES OF THE LOCAL INTERSTELLAR MEDIUM"

Keywords: INTERSTELLAR LINES - UV- SPECTROSCOPY - GAS

Proposers: Albert Boggess (PI; Nasa, Goddard Space Flight Center),

F. Bruhweiler (Catholic University Of America), Y. Kondo (Nasa,

Goddard Space Flight Center)

Interstellar absorption line data obtained by the HRS for four selected nearby A and B stars with large v sin (i) will be used to probe the physics of the local interstellar medium. Special emphasis will be placed on understanding the phsical conditions in the region within 25 pc, especially the local cloud. Data will also be obtained for the possible protoplanetary system, beta Pic, to search for molecular OH and place constraints upon te phsical condition in the circumstellar nebula.

Selection Cycle

: 87A

-- (BL LAC) --QUASARS AGN

1172 - "SPECTROSCOPY OF BL LAC OBJECTS "

Keywords: (1) ACTIVE GALACTIC NUCLEI - BL LAC OBJECTS; (2) INTERSTELLAR

MEDIUM - GALACTIC HALO

Proposers: Albert Boggess (PI; Nasa, Goddard Space Flight Center),

F. Bruhweiler (Catholic University Of America), Y. Kondo (Nasa, Goddard Space Flight Center), C.Urry (Massachusetts Institute Of

Technology)

Two of the brightest X-ray emitting BL Lac objects, PKS 2155-304 and MK 421, will be observed for dual scientific purposes. The first objective is to look for the possible shortward shifted absorption in strong UV lines (e.g. C IV, Si IV and N V) to follow up on the report of shortward-shifted absorption in the X-ray by Canizares and Kruper (Ap.J., 278, 199 - 1984). A detection of such absorption would provide additional support to the relativistic jet model, in which a gas jet from BL Lac nucleus is moving toward us. The second objective is to probe the galactic halo gas using those bright BL Lac objects as continuum background source. The lines to be probed include N V, C IV, Si IV, Mg II, Mg I, C I and H I. Based on the X-ray absorption, the absorption lines occurring in the putative jet are expected to be significantly broader than the absorption lines occurring in the halo.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) -- 1173 - "SPECTROSCOPY OF TWO WHITE DWARFS"

Keywords: STARS - WHITE DWARFS - ABUNDANCE - CHEMICAL PECULIAR STAR - MASS

LOSS

Proposers: Albert Boggess (PI; Nasa, Goddard Space Flight Center),

F.Bruhweiler (Catholic University Of America), Y.Kondo (Nasa,

Goddard Space Flight Center)

Two hot DA white dwarfs, G191-B2B and W1346 will be observed with the HRS. Both of these objects have been observed previously with IUE and reveal trace amounts of heavy elements in the surrounding expanding halo of G191-B2B and in the photosphere of W1346. These observations have three scientific objectives: 1) to quantitatively test if diffusion and levitation can explain the observed abundances in these objects; 2) to analyze absorption profile information to obtain a clearer understanding of the mass loss process in these objects; and 3) to derive ionic column densities from the observed interstellar features and place constraints on physical conditions of the local interestellar medium toward these objects.

Selection Cycle : 87A Prop. Type: GTO/HRS

STELLAR ASTROPHYSICS -- (HOT STARS) --

1174 - "SPECTROSCOPY OF INTERACTING BINARIES "

Keywords : STAR - BINARY STARS - MASS FLOW - EVOLUTION

Proposers: Albert Boggess (PI; Nasa, Goddard Space Flight Center),

F. Bruhweiler (Catholic University Of America), Y. Kondo (Nasa,

Goddard Space Flight Center), G.Mccluskey Jr. (Lehigh

University)

Ten interacting binaries have been selected to investigate the manner of mass flow in them. Based on available data, they are quite possibly in or near the rarely-observed, short-lived phase of supercritical mass transfer. Currently, only beta Lyrae is strongly presumed to be in that state. The scientific objectives are (a) to determine if they are indeed in that phase and (b) to investigate the manner of mass flow in those binaries.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1175 - "LOCAL INTERSTELLAR MEDIUM AND D/H RATIO "

Keywords: HYDROGEN COLUMN DENSITY, DEUTERIUM COLUMN DENSITY, DEUTERIUM

ABUNDANCE

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of), S. Heap (Nasa,

Goddard Space Flight Center), M. Jura (Uc, Los Angeles), W.Landsman (Nasa, Goddard Space Flight Center), B.Savage

(Wisconsin, University Of), A.Smith (Nasa, Goddard Space Flight

Center)

We will observe the Lyman alpha line at 100,000 spectral resolution towards 7 late-type local stars. The purpose is to derive the hydrogen and deuterium column densities and D/H ratios along lines of sight towards nearby stars. High resolution spectra of the MgII and FeII lines will be obtained to help determine the broadening parameter and whether material along these lines of sight has more than one velocity component.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) -- 1176 - "DYNAMICS AND ENERGY BALANCE IN STELLAR TRANSITION REGIONS "

Keywords: STELLAR CHROMOSPHERES, STELLAR TRANSITION REGIONS, F-M DWARF

STARS, G-K GIANT STARS, STELLAR ACTIVITY

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of), A.Brown

(Colorado, University Of)

We propose to study the dynamics of stellar transition regions by measuring the redshifts, indicative of downflows, in lines of C III, C IV, Si IV, and 0 IV. The energy balance and heating rates in stellar chromospheres and transition regions will be derived from an emission measure analysis of

emission line fluxes and densities inferred from density sensitive line ratios. Stars of interest include dwarf stars of spectral type F-M, active G and K giants, and RS CVn binary systems.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1177 - "SEARCH FOR HOT PLASMAS IN THE OUTER ATMOSPHERES OF K GIANTS "

Keywords: K III STARS, K I STARS, GIANTS, SUPERGIANTS, CHROMOSPHERES,

CORONAE

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of)

The goal of this program is to search for evidence of any plasma hotter than 10,000 K in the outer atmospheres of K giant stars for which no such evidence presently exists. We will search for evidence of emission lines of C III, Si III, C IV, Si IV, and N V in very deep HRS specta. Upper limits to the strength of these emission lines will place stringent constraints on the amount of hot plasma in the out atmospheres of these stars and thus on the nonradiative heating processes.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1178 - "FLUORESCENT PROCESSES IN THE ATMOSPHERES OF K GIANT STARS "

Keywords : K III STARS, ARCTURUS

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of)

We propose to study the formation of emission lines of CO, H2, SI, and other species that are pumped by bright chromospheric emission lines like Lyman Alpha. The purpose is to understand the physics of these fluorescent processes.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1179 - "HYBRID STAR WINDS AND TRANSITION REGIONS "

Keywords : K II STARS, GI STARS, GIANTS, SUPERGIANTS, CHROMOSPHERES,

CORONAE, WINDS

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of)

This program will study the temperatures, densities, outflow velocities, and mass loss rates in hybrid-chromosphere stars. In particular, we will determine whether the hot plasma participates in the outflow or whether the wind consists entirely of cool gas. Atmospheric models will be derived of both the hot and cool gas using an emission measure analysis and density-sensitive line ratios.

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1180 - "TRANSITION REGIONS IN VERY LATE M DWARFS"

Keywords : MS STAR, MV STARS, X-RAY STAR, FLARE STAR

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of), C.Ambruster (Jila, University Of Colorado), M.Giampapa (National Solar Observatory), S. Maran (Nasa, Goddard Space Flight Center)

We propose to search for transition region emission lines indicative of 1.0E+5 K plasma in the ultraviolet spectra of the coolest M dwarf stars of both the dM and dMe types. With such data we will study the heating rates and energy balance in the transition regions of these stars and compare such data with stars of earlier spectral type. An important question is whether transition regions disappear or have significantly smaller heating rates in the late M dwarfs as is suggested by the X-ray data.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1181 - "STUDY OF THE WIND ACCELERATION IN ZETA AURIGAE"

Keywords: K4IB STAR, ZETA AURIGAE, SUPERGIANT, SPECTROSCOPIC BINARY,

STELLAR WINDS

Proposers: Jeffrey L. Linsky (PI; Colorado, University Of), J. Brandt (Nasa,

Goddard Space Flight Center), S. Heap (Nasa, Goddard Space Flight

Center), D.Reimers (Hamburger Sternwarte; Germany, West),

R. Weymann (Arizona, University Of)

The goal of this program is to study the wind acceleration process in K supergiants by observing the eclipsing Zeta Aurigae system at a number of phases during its eclipse centered on 4 August 1990. High resolution profiles of P Cygni-type lines formed in the wind of the K4Ib supergiant projected against the B8 star will be analyzed to determine the velocity law, mass low rate, and ionization state of the wind. Observations will be at a number of phases during the ingress or egress, but all should be either during ingress or during egress.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1182- LT - "ELEMENTAL ABUNDANCES IN EARLY-TYPE STARS "

Keywords: MS STAR, HB STAR, CHEMICALLY PECULIAR STAR, ABUNDANCE,

SPECTROSCOPY, UV

Proposers: David S. Leckrone (PI; Nasa, Goddard Space Flight Center),

J.Brandt (Nasa, Goddard Space Flight Center), K.Carpenter (Nasa,

Goddard Space Flight Center)

The resolving power and photometric quality of HRS data are exploited in an extensive investigation of the elemental abundances, atmospheric properties and evolutionary characteristics of sharp-lined B and A stars. Three classes of stars are included - chemically peculiar (CP) non-magnetic late B stars of the HgMn class, an early-A type horizontal branch star and sharp-lined normal stars ranging from B6 to A2. Analyses of the CP stars will establish constraints on models for the production of abundance anomalies. The field horizontal branch star's CNO abundances, obtained form low-excitation UV lines, will provide a critical check of abundances derived from high excitation transtions observed in the red and near-IR, the latter being susceptible to large non-LTE effects. Abundances obtained from the spectra of the normal stars provide a framework of comparison standards for the study of CP stars and allow us to place limits on star-to-star variations in abundance, perhaps reflecting local patterns of nucleosynthesis. The program is divided into seven research topics. The R=100,000 mode is used to investigate specific issues raised by previous studies. The R=20,000 mode is used to obtain complete UV spectra of selected CP and normal stars to be used for global abundance analyses.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1183 - "ECHELLE ATLASES OF BRIGHT STARS "

Keywords: MS STAR, CHEMICALLY PECULIAR STAR, ABUNDANCE, SPECTROSCOPY, UV Proposers: David S. Leckrone (PI; Nasa, Goddard Space Flight Center)

These observations constitute an HRS team project to obtain complete ultraviolet spectra of bright, sharp-lined stars at the highest resolving power of the HRS (R=10dex5). This spectral region (1250A or lower to 3000A) is exceedingly complex, in terms of line density and in terms of variety of species present. It has never before been observed in stars other than the Sun at this resolution. One "normal" star (including Sirius which is in fact a mild Am star) is included to provide a spectroscopic reference standard and abundance data. One Bp star is included to allow exploration of abundance anomalies at the finest possible level of detail.

Selection Cycle

: 87A

SOLAR SYSTEM -- (COMETS) --

1184 - "ULTRAVIOLET ATLAS OF BRIGHT, SUITABLE COMET OF OPPORTUNITY "
Keywords: COMET, SPECTROSCOPY, ULTRAVIOLET ATLAS

Proposers: John C. Brandt (PI; Lasp-University Of Colorado)

This project is a replacement for the Halley's Comet observations by the HRS outlined in our original proposal. Our intention is to select a comet of opportunity that is bright enough to obtain useful observations in the ultraviolet and that has an orbit which permits acquisition and tracking by the Space Telescope over a extended period of time. The goal is to obtain basically an HRS Atlas concentrating on 20,000 spectral resolution. The strategy will be to take initial spectra in the HRS low resolution mode and with the FOS for identifications of suitable spectral regions to be obtained to show changes with heliocentric distance. The detailed plan for this project cannot be identified at present, and moveover, the project may run outside the original limits of GTO time. Copies of the correspondence on this proposal are attached for the record. Also attached is a sheet which sketches the broad goals and strategy in greater detail. This is a priority 1 observing program, cycle TBD.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1186 - "IMAGERY AND UV SPECTROSCOPY OF MATTER EJECTED FROM ETA CARINAE "

Keywords: STELLAR EVOLUTION, MASS LOSS, NUCLEOSYNTHESIS

Proposers: Dennis C. Ebbets (PI; Ball Aerospace Corporation), K.Davidson

(Univ Of Minnesota), N. Walborn (Space Telescope Science

Institute), A. Warnock (Nasa/Gsfc)

The Planetary Camera and the High Resolution Spectrograph will be used to study the knots of material which have been ejected from Eta Carinae. Two sets of PC images in the light of H-Alpha will be taken at widely separated epochs. Analysis of the images will provide new information about the distribution, morphology and motions of the ejecta. Ultraviolet spectra of two bright knots will be obtained with the HRS. The spectral region 1150-1950A will be observed with configuration G140L, allowing emission line fluxes, profiles, and velocities to be studied. A signal to noise ratio of 25 in the brighter lines is anticipated. Searches for as yet undetected lines of carbon and oxygen will be possible to much fainter limits on the fluxes. REVISED 7/20/88 FOR PHASE 2 UPDATED 9/15/89 FOR CYCLE 1 PHASE 2 WF/PC images revised 10/89

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (PECULIAR GALAXIES) --

1187 - "IMAGERY AND UV SPECTROSCOPY OF GALAXIES WITH STARBURST NUCLEI "

Keywords: EMISSION LINE GALAXY, NUCLEUS, INTERACTING GALAXIES,

EXTRAGALACTIC HII REGION

Proposers: Dennis C. Ebbets (PI; Ball Aerospace Corporation), V.Balzano

(Computer Science Corporation), M.Shara (Space Telescope Science

Institute)

Galaxies with starburst nuclei show evidence for large populations of massive hot stars existing in a small volume in the nucleus. This phenomenon may be a precursor to more dramatic activity powered by the evolutionary endproducts of millions of high mass stars. Multiband images obtained with the Wide Field Camera will be used to invesitgate the location, size, structure, colors and luminosity of the starburst region. Ultraviolet spectroscopy with the High Resolution Spectrograph will provide direct insight into the nature of the hot stars. Interstellar gas in the target galaxy, and in or near the Milky Way will be probed by high resolution observations of selected absorption lines.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1188 - "UV SPECTROSCOPY OF THE COMPONENTS OF R136"

Keywords: SUPERGIANT STAR, WOLF-RAYET STAR, MASS LOSS, LMC 30 DORADUS Proposers: Dennis C. Ebbets (PI; Ball Aerospace Corporation), B. Savage

(Wisconsin, University Of)

R136 is the bright central object of the 30 Doradus nebula in the LMC. It contains an unusually tight grouping of very massive and luminous 0 and Wolf-Rayet type stars. The brightest recognizeable component, called R136A1, may be an unresolved group of several stars, or may be a single object with a mass of order 800 Mo. Detailed studies of the individual components have been hampered by a lack of sufficient spatial resolution. The High Resolution Spectrograph will be used to obtain detailed ultraviolet spatial and spectral information about the five or so brightest discrete components. The goal of the program is to study the spectral morphology, stellar wind characteristics, ultraviolet luminosities and ultimately the masses included in this unusual and interesting object. redlined for phase 2, 7/19/88, dce updated for cycle 1 phase 2 9/21/89

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) -1189 - "AN ATLAS OF INTERSTELLAR MOLECULAR ABSORPTION SPECTRA TOWARDS ZETA
OPHIUCHI"

Keywords: INTERSTELLAR GAS, INTERSTELLAR MOLECULES

Proposers: Dennis C. Ebbets (PI; Ball Aerospace Corporation), J. Brandt

(Nasa, Goddard Space Flight Center)

Zeta Ophiuchi is one of the best studied lines of sight for interstellar absorption lines. Interstellar observations represent one of the primary scientific objectives of the High Resolution Spectrograph. Towards the end of the GTO period, the HRS science team (IDT) will use its collective experience and wisdom to produce a very high quality atlas of interstellar molecular absorption lines, both as a data base for studies of the spectra, and as a demonstration to all future users of how to achieve the ultimate performance from the Echelle configurations.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) -1190- LT - "FUV EMISSION LINE PROFILES OF W SERPENTIS BINARIES "
Keywords: INTERACTING BINARIES - W SERPENTIS - RX CAS-SX CAS

Proposers: Edward Beaver (PI; Uc, San Diego), J. Weiland (Applied Research

Corporation)

We propose to use the HRS at intermediate resolution for the study of FUV emission line profiles in SX Cas, RX Cas, and W Ser (all are interacting binaries of the W Serpentis type). The lines of interest are: N V 1240, C II 1335, Si IV 1400, Si II 1533, C IV 1550 and Al II 1670. These lines may be observed in these binaries with IUE at low dispersion, but all profile information is lost at this resolution: all of the listed systems are too faint to be observed at IUE high dispersion. The emission lines are believed to arise from a high excitation wind powered by the accretion process. Modelling of observed line profiles will yield information about the physical properties of the mass outflow in these systems, as well as providing insight into a stage of evolution which many close binaries appear to undergo.

Selection Cycle

: 87A

-- (QUASAR ABSORPTION) --QUASARS AGN 1191 - "PHYSICAL CONDITIONS IN LOW Z ABSORPTION LINE SYSTEMS IN QSOS "

Keywords: QUASAR, BL LAC OBJECTS, SPECTROSCOPY, ABSORPTION LINES

Proposers: Edward Beaver (PI; Uc, San Diego), R.Cohen (Uc, San Diego),

H.Smith (Uc, San Diego)

We are proposing to make detailed observations of the low redshift absorption line systems in two QSOs which have been studied in detail at optical wavelengths. These observations will allow comparison with higher redshift QSO absorption line systems and with absorption from galaxy halos, the leading candidate for the site of such absorption.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) --

1192 - "ULTRAVIOLET LINE PROFILES OF OX 169 (2141+174) "

Keywords: QUASARS, ABSORPTION LINES

Proposers: Edward Beaver (PI; Uc, San Diego), R.Cohen (Uc, San Diego),

H.Smith (Uc, San Diego)

We will observe Lyman-alpha and CIII] in the QSO OX 169, whose Balmer lines show a feature which is either due to self absorption or narrow-line emission. These observations will resolve the issue and may provide unique information about QSO broad-line clouds.

Prop. Type: GTO/HRS

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) --1193 - "LYMAN-ALPHA REGION OF QSOS WITH STRONG ABSORPTION LINES "

Keywords: QUASARS, ABOSORPTION LINES, 21-CM

Proposers: Edward Beaver (PI; Uc, San Diego), R.Cohen (Uc, San Diego),

A.Davidsen (Johns Hopkins University), B. Margon (Washington,

University Of)

FOS Spectra will be obtained of the L-alpha region of 3 quasars with 21 cm absorption. Measurement of the spin temperature and column depth will allow us to discriminate between different models for the absorbing gas.

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) -- 1194 - "IMAGING AND SPECTROSCOPY OF THE NEARBY QSO 2130+099 "

Keywords: QUASARS, SPIRAL GALAXY, STELLAR POPULATION, MORPHOLOGY

Proposers: Sara Heap (PI; Nasa/Gsfc)

We will make four types of observations of the nearby QSO 2130+099: (1) images with the PC: (2) UV maps of the nucleus with the HRS; (3) UV spectrum of the nucleus with the HRS; and (4) (off-nuclear) UV spectrum of the host galaxy with the HRS.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1195 - "WINDS OF COOL LUMINOUS STARS: DENSITIES, TEMPERATURES, GEOMETRIC

EXTENTS, AND VELOCITY STRUCTURES"

Keywords: COOL STARS: WINDS, CHROMOSPHERES, MASS-LOSS.

Proposers: Kenneth G. Carpenter (PI; Nasa - Goddard Space Flight Center),

J.Linsky (Colorado, University Of)

The goals of this program are to determine the physical characteristics of the winds/chromospheres around cool luminous stars. The electron density and temperature in, and the radial geometric extent of, the wind regions will be determined from HRS observation of the C II (UV 1) 1335 A and C II (UV 0.01) 2325 A multiplets. The C I lines near 1657 and 1994 A will be used to obtain an independent estimate of the electron density in these regions. The C II (UV 0.01) lines will also be used to estimate the turbulence in these chromospheres. HRS observations of a set of Fe II lines in the 2700 - 2800 A region will be used to study the dependence of the wind velocity on radial distance above the photosphere. High quality Mg II profiles will be acquired to search for discrete velocity features within the profiles. The photospheric absorption-line spectrum (2579-2675 A) of Arcturus will be observed in the echelle mode. Medium resolution observations of Fe II and Mg II in the dusty, very luminous star Mu Cep will provide information on the effect of dust and very low gravity on the wind velocity field.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1196 - "CHROMOSPHERES OF DUSTY STARS "

Keywords: COOL STARS: DUST, CHROMOSPHERES, WINDS, MASS-LOSS

Proposers: Kenneth G. Carpenter (PI; Nasa - Goddard Space Flight Center),

J.Linsky (Colorado, University Of)

The goals of this program are to study in detail the chromospheric characteristics of one "dusty" star, R Dor, and to briefly examine the chromospheres of several other dusty stars. The High Resolution

Spectrograph will be utilized to obtain moderate resolution spectra of the fluorescent Fe I emission lines near 2830 A and the large number of Fe II emission lines in the 2575 - 2800 A region for R Dor. In addition, the echelle mode will be used to obtain high resolution observations of the Mg II emission lines near 2800 A in R Dor and several other dusty stars. These data will be used to produce models of the outer atmosphere of R Dor and to determine the velocity structure of its wind. The Mg II profiles from all the spectra will be used to estimate outflow velocities and the strength of each star's chromosphere. The results will be used to gauge the effect of high dust levels on the outer atmospheres of cool luminous stars.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1197 - "FOC OBSERVATIONS OF THE EXTENDED CHROMOSPHERE OF ALPHA SCO A " Keywords: COOL STARS: CHROMOSPHERES, WINDS, MASS LOSS; INTERACTING

BINARIES.

Proposers: Kenneth G. Carpenter (PI; Nasa - Goddard Space Flight Center),

A.Brown (Colorado, University Of), J.Linsky (Colorado,

University Of)

The aim of this proposal is to obtain direct imaging of the extended chromosphere/stellar wind of the cool supergiant star Alpha Sco A, using the FOC/288 mode in the ultraviolet. The spatial properties, such as asymmetric mass loss and the radial variation of density and temperature, of the wind will be investigated. We also hope to detect and study the ionization/shock front between this stellar wind and that from the companion B-star. The 0.4 arcsec coronographic finger will be used to block the disk of the B-star and prevent an overexposure of the FOC.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1198 - "PHYSICAL CONDITIONS AND VELOCITY STRUCTURES IN THE RED GIANT WINDS IN THE BINARIES CI CYG AND EG AND"

Keywords: COOL STARS; CHROMOSPHERES, WINDS, MASS LOSS, BINARIES; SYMBIOTIC

STARS

Proposers: Kenneth G. Carpenter (PI; Nasa - Goddard Space Flight Center),

J.Linsky (Colorado, University Of), R.Stencel (Colorado,

University Of)

This proposal represents a two pronged attack aimed at understanding the detailed chracteristics of red giant winds in binary star systems. Red giant winds can provide the most massive, sustained form of mass transfer in binaries. The symbiotic and related stars, which contain red giant and hot companion stars, permit line of sight studies through a range of red giant atmospheric heights. The goal of this work is to attempt to define both the mechanism of rapid mass loss in red giant stars and the details of mass transfer to the companion stars. Such results can provide important

constraints for both stellar and binary evolution theories. In each case we expect to derive density and temperature values for the red giant wind region and compare this to the present understanding of single star conditions where low temperature, dust and molecule forming, circumstellar envelopes prevail.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1199 - "HRS ECHELLE ATLAS OF ALPHA ORIONIS "

Keywords: COOL STARS: WINDS, CHROMOSPHERES, MASS-LOSS, UV SPECTRA,

PHOTOSPHERES

Proposers: Kenneth G. Carpenter (PI; Nasa - Goddard Space Flight Center),

J. Brandt (Nasa, Goddard Space Flight Center), J. Linsky

(Colorado, University Of), R. Weymann (Arizona, University Of)

The HRS will be used to obtain high resolution echelle spectra of the 2480 - 3210 A spectral region of the M2 Iab supergiant Alpha Orionis. The observations are to be obtained at a set of standard carrousel positions corresponding to those used during in-orbit calibration of the instrument. Exposure times have been chosen so that both the chromospheric emission line spectrum and the photospheric continuum and absorption line spectrum will be properly exposed. These observations will be combined and published in atlas format. It is hoped that this atlas will provide a standard against which high-resolution UV observations of other late-type stars can be compared.

Prop. Type: GTO/HRS

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --1200 - "SEARCH FOR INTERSTELLAR MOLECULES IN SPECTRA OF THREE B STARS "

Keywords: MOLECULAR CLOUD, GAS

Proposers: Andrew M. Smith (PI; Nasa, Goddard Space Flight Center),

J.Brandt (Nasa, Goddard Space Flight Center), D.Ebbets (Ball Aerospace Corporation), M.Jura (Uc, Los Angeles), B.Savage

(Wisconsin, University Of)

The scientfic goal of this program is to check current theoretical understanding of gas phase chemistry in diffuse interstellar clouds and to modify this understanding if necessary. A further goal is to look for evidence of molecule formation other than H2 on interstellar grain surfaces. Signatures of many of the most important molecular species are found in the vaccuum and middle ultraviolet accessible to the HRS. It is proposed to observe HD32656 throughout the HRS wavelength range and HD29647 at a few caroussel settings in the 2.4x104 resolving power mode. These stars are associated with the Taurus Cloud complex. It is also proposed to observe omicron persei in the 105 revolving power mode and combine the new results with those found by observations with the "Copernicus" satellite.

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --1201 - "PHYSICAL PARAMETERS IN THE LOCAL INTERSTELLAR MEDIUM"

Keywords: HI CLOUD, GAS

Proposers: Andrew M. Smith (PI; Nasa, Goddard Space Flight Center)

Using the 10 (super 5) resolving power mode of the HRS it is proposed to observe neutral as well as multiply ionized species in the local interstellar medium at distances less than 50 pc from the Sun. The primary goal is to determine local hydrogen atom densities using fine structure populations in carbon and silicon atoms. Other goals are to determine electron densities from the populations of fine structure levels in C (super +) and S (super +) ions and to set limits on local gas temperatures by combining observations of line profiles, doppler parameters and ionization equilibria in atoms and first ions of carbon, silicon and magnesium.

Prop. Type: GTO/HRS

Selection Cycle : 87A

SOLAR SYSTEM 1202 - "LY-ALPHA AND H2 SURVEY " -- (GIANT PLANETS) --

Keywords: LY-ALPHA, UV SPECTRA, UV EMISSION, PLANETARY ATMOSPHERES

Proposers: Laurence M. Trafton (PI; Texas, University Of)

Measure the Ly-alpha emission and the nearby H2 emission for Jupiter, Saturn, Titan, Uranus and Neptune for a low - and medium - resolution survey and comparative study. Calibrate the superposed geocoronal Ly-alpha background emission in parallel HRS observations.

Prop. Type: GTO/HRS

Selection Cycle : 87A

1203 - "JOVIAN AURORAL LY-ALPHA PROFILE "
Keywords · IV-AIDHA AVECT Keywords : LY-ALPHA, AURORA, MAGNETOSPHERE, DEUTERIUM

Proposers: Laurence M. Trafton (PI; Texas, University Of), J.Brandt (Nasa,

Goddard Space Flight Center)

Observe the Ly-alpha profile for a bright auroral emission on Jupiter to obtain atmospheric properties and electron precipitation flux. A determination of the D/H ratio may result if the signal to noise is high enough.

SOLAR SYSTEM -- (SATELLITES) --

1204 - "IO PROTON AURORA? "

Keywords: LY-ALPHA, IO, TRAPPED RADIATION, MAGNETOSPHERE Proposers: Laurence M. Trafton (PI; Texas, University Of)

Attempt detection of Ly-alpha emission from Io, caused by protons trapped in magnetosphere interacting with Io.

Prop. Type: GTO/HRS Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES) --

1205 - "S02 ON IO "

Keywords: IO, SO2, SPECTRUM

Proposers: Laurence M. Trafton (PI; Texas, University Of), J.Caldwell

(Suny, Stony Brook)

Observe Io with the HRS at 2180-2230A in attempt to detect SO2 gaseous and solid absorption.

Prop. Type: GTO/HRS Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES) --

1206 - "SULFUR NEAR IO "

Keywords : IO, SULFUR, JOVIAN TORUS

Proposers: Laurence M. Trafton (PI; Texas, University Of)

Neutral sulfur and several stages of ionized sulfur have been observed in Jupiter's torus. Io is supposed to be the source of all torus species but the mechanism feeding the torus has not been determined. Neutral S should be densest near Io. We will attempt to detect neutral sulfur near Io in order to shed light on this problem.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1207 - "ULTRAVIOLET TOMOGRAPHY OF V471 TAURI "

Keywords: TRANSITION REGIONS; STELLAR ATMOSPHERIC PROFILES; STELLAR

TOMOGRAPHY; ECLIPSING BINARIES

Proposers: Frederick M. Walter (PI; Stony Brook, State University Of New

York)

The V471 Tau system consists of a very active K2 dwarf which totally eclipses a hot white dwarf every 12.5 hours. We shall use the passage of the white dwarf behind the K dwarf to probe the temperature and density

structure of the atmosphere of the K dwarf. There will be 4 observations-an ingress and an egress separated by one orbital cycle, and the pair repeated after ~ 4 months.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1208 - "DOPPLER IMAGING OF THE CHROMOSPHERES AND TRANSITION REGIONS OF AR LACERTAE"

Keywords: DOPPLER IMAGING; RSCVN; TRANSITION REGION; CHROMOSPHERE

Proposers: Frederick M. Walter (PI; Suny Stony Brook)

By obtaining high resolution, high S/N profiles of the transition region line in an active chromosphere star, it is possible to apply Doppler Imaging techniques in order to map the surface plages. We propose to obtain 8 spectra of C IV and Mg II lines in AR Lac, spaced around the orbit, to determine the spatial location of the active regions in the transition regions and lower chromspheres of the two stars.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --1209 - "NON-RADIATIVE HEATING IN PRE-MAIN SEQUENCE STARS "

Keywords : T TAURI STARS; CHROMOSPHERES; TRANSITION REGIONS

Proposers: Frederick M. Walter (PI; Suny, Stony Brook), J.Linsky (Colorado,

University Of)

We shall obtain UV line fluxes and selected line profiles, using the HRS, for a diverse sample of 6 pre-main sequence stars. We propose to study the atmospheric heating, dynamics, and density structure of these stars.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --

1210 - "AGE DEPENDENCE OF NON-RADIATIVE HEATING IN STELLAR CHROMOSPHERES "

Keywords : CHROMOSPHERES; ROTATION; STELLAR AGES; YOUNG STARS

Proposers: Frederick M. Walter (PI; Suny, Stony Brook), J.Linsky (Colorado,

University Of)

We propose to observe 23 F and G stars in the alpha Per, Pleiades, UMa and Hyades clusters to study the decay of chromospheric radiative loss rates (as a function of temperature) as a function of stellar age.

: 87A

Selection Cycle Prop. Type: GTO/HRS

STELLAR ASTROPHYSICS -- (HOT STARS) --

1211 - "EXTENDED ATMOSPHERES OF EARLY-TYPE STARS " Keywords : STELLAR WINDS, EXTENDED ATMOSPHERES

Proposers: Sara R. Heap (PI; Nasa, Goddard Space Flight Center),

H. Heinrichs (University Of Amsterdam; Holland)

I propose to use the unprecedented high-dispersion, high time-resolution, and high S/N of the HRS to make an exploratory study of the extended atmospheres of early-type stars, including the high-velocity winds from 0-B stars, shells around Be-shell stars, and disks around (or expected to be around) B-A-F stars like beta Pic, and outer atmospheres of O-B stars undergoing non-linear pulsations. The goals of the study are to derive a kinematic picture of the extended atmosphere and, if possible, to infer the mechanism(s) leading to the formation of winds, shells, and disks. All these programs incorporate monitors of variations in some spectral feature formed in the extended atmosphere. The time resolution of the monitor will be seconds-days for lines formed at the base of an OB-star wind, weeks to years for lines formed in a disk or shell.

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) -- 1212 - "HIGHLY EVOLVED STARS OF LOW MASS "

Keywords : PLANETARY NEBULAE, PLANETARY NUCLEI

Proposers: Sara R. Heap (PI; Nasa, Goddard Space Flight Center),

J. Harrington (Maryland, University Of)

I propose to use the HRS to study highly evolved stars, particularly the central stars of planetary nebulae. The study includes (1) an attempt to detect and measure the flux from extremely hot stars (T>150,000 K), (2) an investigation of hydrogen and carbon-rich central stars and their recent ejecta, (3) an investigation of the interaction of the wind from a central star with the surrounding nebula, and (4) follow-up spectroscopic studies of uv-bright stars discovered in globular clusters.

Prop. Type: GTO/HRS Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) --

1213 - "THE NUCLEUS OF M83 "

Keywords: BARRED SPIRAL, GALACTIC NUCLEI

Proposers: Sara R. Heap (PI; Nasa, Goddard Space Flight Center), V.Rubin

(Carnegie Institute Of Washington), T.Stecher (Nasa, Goddard

Space Flight Center)

We propose to use the ST/HRS to measure the velocity field of the mucleus of M83, a nearby barred spiral galaxy.

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

1214 - "A SHOCK IN THE LOCAL INTERSTELLAR CLOUD? "

Keywords : LISM, SHOCK

Proposers: Sara R. Heap (PI; Nasa, Goddard Space Flight Center), E.Jenkins

(Princeton University)

We propose to search for evidence of shocked material on the outside rim of the interstellar cloud in which the sun is embedded.

Prop. Type: GTO/HRS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1215 - "ULTRAVIOLET SPECTRAL ATLAS OF O STARS IN THE MILKY WAY AND MAGELLANIC CLOUDS"

Keywords : STELLAR WINDS, EXTENDED ATMOSPHERES

Proposers: Sara R. Heap (PI; Nasa, Goddard Space Flight Center)

We will obtain high S/N far-ultraviolet spectra of 0 giants and supergiants in the Milky Way and the Large and Small Magellanic Clouds. We will derive the properties of the star/wind systems from the photospheric and wind spectra, and we will investigate the effect of chemical composition on the properties of the wind.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) --

1216 - "VISUAL MAPPING AND LONG-SLIT SPECTROSCOPY OF THE NUCLEUS OF M51 "

Keywords: M51, NUCLEUS, LINER, SEYFERT GALAXY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), B. Pagel (Royal Greenwich Observatory; United Kingdom)

Direct FOC exposures will be used to map the narrow-line region [OII] and locate the centre in the continuum. A long-slit exposure in the visible will be used to a) study kinematics within a few pc of the nucleus; b) study line intensity gradients as a function of distance from the nucleus; c) enhance the broad emission line region relative to the stellar background. The slit should be orientated along the major axis in position angle 0 degrees.

Selection Cycle

: 87A

-- (SEYFERTS) --QUASARS AGN

1217 - "THE NUCLEUS OF NGC 1052 "

Keywords : GALAXIES : INDIVIDUAL - GALAXIES : NUCLEI - GALAXIES : LINERS -

RADIATION MECHANISMS - RADIOGALAXY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), C.Boisson (Meudon Observatory; France), R.Fosbury

(Esa, European Coordinating Facility; Germany, West),

D. Pequiguot (Meudon Observatory; France)

We show that the ST-FOC (in the first order of the long-slit spectrographic mode) allows to decide unambiguously which mechanism - photoionization by a central source or shock heating - is at work in this nucleus and thus to answer a fundamental question concerning active nuclei in general. In addition, the imaging mode of the FOC can provide the basic data with which to answer questions about the interaction between the nuclear activity and the interstellar medium. This is of relevance to ideas about the formation and maintenance of beams which power double radio sources. The question of stratification in nearby AGN is a general one, but we believe that NGC 1052 should be considered as a priority object because of the interest of the problems that can be solved in a reasonable observing time.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --

1218 - "OBSERVATIONS AT HIGH ANGULAR RESOLUTION OF NGC1068" Keywords: SEYFERT 2 GALAXY, STARBURST, IMAGING, SPECTROSCOPY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), T.Snijders (Astronomisches Institute, Tubingen; West Germany), T.Snijders (Astronomisches Institute, Tubingen; West Germany), T.Snijders (Astronomisches Institute, Tubingen; West

Germany)

We propose to observe the Seyfert 2 galaxy NGC 1068 with the FOC using both the imaging and the long slit spectroscopic modes. Our aim is to continue our optical and ultraviolet studies of NGC 1068 using the much higher angular resolution available with the FOC. The main fields of interest are: the massive burst of star formation which takes place in the inner spiral arms and the high ionization emission line gas in between and around these arms and the energy supply of this high ionization gas far away from the nucleus.

Selection Cycle

: 87A

QUASARS AGN -- (SEYFERTS) --

1219 - "POLARIZATION MAPPING OF THE INNER STRUCTURE OF THE SEYFERT GALAXY NGC 1068 TO SEARCH FOR A NON-THERMAL SOURCE"

Keywords: POLARIMETRY, NUCLEUS, SEYFERT GALAXY NGC1068

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), D. Axon (Manchester, University Of; United Kingdom), S.Heathcote (Noao, Cerro Tololo Interamerican Observatory; United Kingdom), I.Mclean (Royal Observatory, Edinburgh; United

Kingdom), M. Ward (Cambridge University; United Kingdom)

Several Seyfert galaxies, including NGC 1068, are known to be intrinsically polarized. The source of this polarization may be synchrotron emission from a jet or electron scattering from an accretion disk or dust scattering from an extended aggregate of clouds surrounding the nucleus. Images with the Space Telescope at a resolution of 0.02" should resolve structure down to a scale of ~1 parsec in NGC 1068. High signal-to-noise images in polarized light should then enable one to discriminate between bright (unpolarized) HII regions, extended polarizing dust clouds and a compact polarized non-thermal source. In the UV, where residual galaxy dilution is weakest, polarizations of ~15% can be expected. The combination of UV sensitivity and high spatial resolution make the FOC well suited to this experiment. This proposal to use the FOC follows naturally from our extensive programme of ground-based observations and modelling of Seyfert nuclei.

Prop. Type: GTO/FOC

Selection Cycle : 87A

-- (SEYFERTS QUASARS AGN

1220 - "THE ACTIVE NUCLEUS OF THE GALAXY NGC 1365 "

Keywords: AGN, SEYFERT GALAXY, HOT SPOT NUCLEUS, NGC 1365

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), S. Jorsater (European Southern Observatory; Germany, West), P.Lindblad (Stockholm Observatory; Sweden), A.Sandqvist

(Stockholm Observatory; Sweden)

The aim of the observations of NGC 1365 is to study: - the light distribution, kinematics and mass distribution in and around the Seyfert nucleus and the hot spots (including their rotation) with very high spatial resolution; - structures on a scale <0.1" which could shed light in the nature of the bright, compact nuclear radio sources; - differences on a small scale of the distribution of low (H-lines, [OII]) and high ([OIII], [NeIII]) excitation gas but, in particular, the anomalous kinematics (ejection) of the latter gas component; - the onset of expanding motions at the edge of the nuclear disk and related to the nuclear spiral and a possible spiral shock.

Selection Cycle

: 87A

QUASARS AGN -- (SEYFERTS) -1221 - "HIGH-RESOLUTION IMAGING OF THE NUCLEUS OF NGC 1808 "

Keywords: NGC 1808, AGN, HOT SPOTS, SEYFERT 2

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie, Bonn; Germany, West), L.Colina (Gottingen University; Germany,

West), K.Fricke (Gottingen University; Germany, West),

W.Kollatschny (Gottingen University; Germany, West), H.Loose

(Gottingen University; Germany, West), M.Muller

(Max-Planck-Institut Fuer Radioastronomie, Bonn; Germany, West)

We propose high-resolution FOC f/288 imaging of the peculiar nucleus of NGC1808. The nucleus of NGC1808 consists of several hot spots. Ground-based observations show a star-like nucleus and two blue hot spots to the SE and NW of the nucleus with reddish filaments. It has been concluded from spectroscopic observations that the nuclear region of NGC1808 may consist of a superposition of a normal HII region and a Seyfert-like nebulosity and that it is very likely that NGC1808 has a Seyfert 2 nucleus. We wantto observe the nuclear region with highest attainable spatial resolution at short UV wavelengths in order to detect any anisotropic structure related to the extra-nuclear activity. We want to deconvolve the f/288 images by the roll deconvolution method in order to obtain diffraction-limited resolution in the UV, for example 0.02" at lambda = 200nm.

Prop. Type: GTO/FOC

Selection Cycle

: 87A

QUASARS AGN -- (SEYFERTS) --

1222 - "A FIRST STUDY OF ACTIVE NUCLEI WITH ST - THE STELLAR AND GASEOUS

ENVIRONMENT OF THE NGC 4151 NUCLEUS"

Keywords: SEYFERT GALAXY, KINEMATICS, SPECTROSCOPY, IMAGING, JET, PROFILES

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), A.Altamore (Rome, University Of; Italy), G.Bromage (Rutherford Appleton Laboratory; United Kingdom), J.Clavel (Meudon Observatory; France), M.Demoulin-Ulrich (European Southern Observatory; Germany, West), A.Elvius (Stockholm Observatory; Sweden), M.Penston (Royal Greenwich Observatory;

United Kingdom), G.Perola (Rome, University Of; Italy),

M.Pettini (Royal Greenwich Observatory; United Kingdom), L.Piro (Rome, University Of; Italy), M.Snijders (Royal Greenwich

Observatory; United Kingdom), M. Tarenghi (European Southern

Observatory; Germany, West)

NGC 4151 is the Seyfert galaxy with the brightest nucleus in apparent magnitude and one of the nearest and most active Seyfert galaxies. We propose to obtain the distribution and velocity field of the gas near the center in an attempt to answer the following questions: Is the gas distributed in a disk, a cone, along the radio jet? Is the photoionizing isotropic? What are the gas motions, the origin of the gas and the rate of the mass loss? We propose: - to map the ionized gas in the [OIII] lambda 5007 line to tie in the FOC observations with those made from the ground, and in the CIV lambda 1500 line for even higher angular resolution and

because it is a permitted line and emitted by highly ionized gas; - to take long slit spectra in the first and third orders which will give the line width, the velocity field and line intensity ratios as a function of distance from center. The spectra will be taken along and perpendicular to the radio jet. (P.A.= 80 degrees +/- 10 degrees; P.A.= 170 degrees +/- 10 degrees.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --

1223 - "STUDY OF THE NUCLEUS OF THE SEYFERT 2 GALAXY NGC 5728 "

Keywords : SEYFERT GALAXY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), P. Veron (Haute Provence Observatory; France)

Seyfert 2 galaxies are most probably photoionized. The nature of the nonthermal continuum responsible for this photoionization is unknown; it has been seen in only one case, NGC 1068. NGC 5728 is a Seyfert 2 galaxy with an extended (~10") nuclear emission region (probably the most extended known). High angular resolution images, in the UV to get rid of the stellar continuum, through narrow band filters chosen to isolate emission lines or the continuum may allow the detection of a possibly extended non-thermal continuum and the similarity or the difference of its morphology with that of the emission nebulosity. This could be a first step in understanding the nature of this continuum.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (OTHER ACTIVE NUCLEI) --1224 - "LONG-SLIT SPECTROSCOPY OF THE NUCLEUS OF THE NARROW LINE ACTIVE GALAXY MK348*

Keywords : ACTIVE NUCLEI, NARROW LINE REGION

Proposers: J. M. Deharveng (PI; Laboratoire Astronomie Spatiale; France),

J. Bergeron (Institute Of Astrophysics, Paris; France), F. Durret

(Institute Of Astrophysics, Paris; France)

Long-slit spectroscopy in the nuclear region of the narrow line active galaxy MK348 is proposed to study the morphology, velocity field and physical conditions in the narrow line region and the effects of the cosmic rays, responsible for the radio knots, on the kinematics and excitation degree of the gas. The long-slit spectrograph of the FOC provides an unprecedented angular resolution for such a study.

Selection Cycle : 87A

-- (QUASAR EMISSION) --QUASARS AGN 1225 - "NEBULOSITY ASSOCIATED WITH THE NEARBY QSO MR 2251-178"

Keywords: QSO - INTERSTELLAR MATTER - KINEMATICS

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), J. Bergeron (Institute Of Astrophysics, Paris; France),

F. Macchetto (Esa, Space Telescope Science Institute)

Long-slit spectroscopy of the nearby QSO MR2251-178 will allow us to study the dynamics of its nuclear narrow line region and the link between this region and the surrounding ionized nebulosity, to determine the gas excitation gradients and the total column density of ionized gas. In addition the imaging mode will give the morphology of the ionized gas within the narrow line region and the inner nebulosity and will allow comparison between LyAlpha haloes of low and high redshift QSO's.

Prop. Type: GTO/FOC Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) --

1226 - "THE CENTRAL SOURCE AND JET IN PKS 0521-36"

Keywords : RADIO GALAXY, BL LAC, JET

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), I.Danziger (European Southern Observatory; Germany, West), R.Fosbury (Esa, European Coordinating Facility; Germany,

West), W. Goss (Groningen, University Of; Netherlands)

It is proposed to use the HST/FOC to obtain images, at ultraviolet and optical wavelengths, of the continuum jet in the BL Lac/radio elliptical galaxy PKS 0521-36. The source is remarkable in showing diametrically opposite asymmetries at optical and radio wavelengths and may provide the best available opportunity to study collimated jets very close to the line of sight the same exposure will contain images of the blue nucleus of the galaxy. The linear spatial resolution provided by the FOC will be equivalent to that obtained on the M87 jet with ground-based observations.

Prop. Type: GTO/FOC Selection Cycle : 87A

QUASARS AGN -- (OTHER ACTIVE NUCLEI) --1227 - "HIGH-SPATIAL-RESOLUTION IMAGING AND SPECTROSCOPY OF AGN"

Keywords: EMISSION LINE GALAXY, SEYFERT GALAXY, RADIO GALAXY, BL-LAC

OBJECT, QUASAR, IMAGING, SPECTROSCOPY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), F. Macchetto (Esa, Space Telescope Science Institute)

Images of many objects having AGN will be obtained, representing a range of typed physical properties. Roll deconvolution with the FOC f/288 mode can yield diffraction-limited resolution at short UV wavelengths, for example 0.02 arc sec at 200 nm; selected high-resolution measurements will be made

of several nearby and bright AGN. Additional long-slit spectroscopy will complement these observations. The programme is directed at attaining a true physical picture of the nature of the broad line, intermediate and narrow line regions of such objects.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (JETS) --

1228 - "STUDY OF OPTICAL EMISSION ASSOCIATED WITH RADIO JETS AND HOT SPOTS "

Keywords: AGN, RADIOEMISSION, JETS

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), P. Crane (European Southern Observatory; Germany,

West), G.Miley (Space Telescope Science Institute)

ST is uniquely equipped to detect optical emission from synchroton jets and to study the interaction of jets with their environment. Here we outline a program of broad and narrow band imaging and limited slit spectroscopy on carefully selected samples of objects designed to exploit ST for these purposes. The aims are to study the following: -morphological relations between radio and optical emission. -optical and UV counterparts of radio jets and hot spots to derive information on particle acceleration mechanisms. -interactions between synchroton jets and in the ambient gas, to use each as a unique probe of the physical conditions within the other. -possible relationship between the propagation of radio jets and star formation.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) --

1229 - "OPTICAL AND ULTRAVIOLET IMAGING OF LARGE REDSHIFT RADIO GALAXIES " Keywords: RADIO GALAXIES, LARGE REDSHIFTS, ACTIVE GALAXIES, COSMOLOGY Proposers: Craig D. Mackay (PI; Cambridge University; United Kingdom), S.Lilly (Princeton University), M.Longair (Royal Observatory, Edinburgh; United Kingdom), J.Peacock (Royal Observatory,

Edinburgh; United Kingdom)

We propose high resolution, deep imaging of 3CR radio galaxies with large redshifts. Optical and infrared studies of these galaxies show evidence for evolution of their stellar populations over cosmological timescales and also evidence for an enhanced rate of star formation activity throughout the body of many of these galaxies at large redshifts. The aim of this proposal is to confirm the evidence for enhanced star formation in these galaxies by high resolution observations in the optical and ultraviolet wavebands and to determine the distribution of the young stellar component. We will also search for ultraviolet continuum radiation from the nuclei of the galaxies and for evidence of interaction with nearby fainter galaxies.

QUASARS AGN -- (SEYFERTS) -1230 - "HIGH-RESOLUTION IMAGING AND LONG-SLIT SPECTROSCOPY OF MULTIPLE-NUCLEUS
GALAXIES"

Keywords: SEYFERT GALAXIES, INTERACTION, AGN'S MULTIPLE NUCLEI

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie,

Bonn; Germany, West), K.Fricke (Gottingen University; Germany, West), W.Kollatschny (Gottingen University; Germany, West), M.Muller (Max-Planck-Institut Fuer Radioastronomie, Bonn;

Germany, West)

The double nucleus Seyfert galaxy Mkn 266 is proposed to be observed at high spatial resolution both directly (F/48 imaging) and spectroscopically using the ST-FOC. Extensive observations with ground-based telescopes and IUE of this object and of other objects of this kind have been done previously. From long-slit spectra through the component nuclei the dynamics and physical conditions of these systems will be investigated. The effectof tidal interactions among the constituents of this system will be quantitatively analysed in terms of the merging hypothesis and of galaxy evolution theory. The origin and fate of these systems - which are regarded tobe key objects for he test of recent galaxy evolution scenarios - will be discussed on the basis of the proposed high resolution ST-observations.

Prop. Type: GTO/FOC Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) -1231 - "THE RELATIONSHIP BETWEEN GALACTIC ACTIVITY AND GRAVITATIONAL

INTERACTION"

Keywords: INTERACTING GALAXIES, ACTIVE GALAXIES, NUCLEI OF GALAXIES

Proposers: Cesare Barbieri (PI; Padova, University Of; Italy), C.Bonoli (Padova Observatory; Italy), L.Danese (Padova, University Of; Italy), G.De Zotti (Padova, University Of; Italy), P.Rafanelli (Padova Observatory; Italy), H.Schulz (Ruhr University Bochum;

Germany, West)

It has long been known that activity in galaxies can be triggered by gravitational interaction. This hypothesis is supported by direct observations which show that a considerable excess of Seyfert galaxies and low redshift QSO's belongs to an interacting or disturbed system. A typical member of this class of objects is the S1 galaxy NGC6240, which is characterized by two close nuclei and is also an outstanding member of the new class of extreme IR galaxies identified by IRAS. High resolution imaging of the region between the two nuclei, using the FOC F/96 camera in combination with narrow band filters, centered on crucial lines and on the continuum, will provide information on the nature and on the effects of the collision between the two nuclei. We propose, in addition, to observe with the FOC, F/48 spectrograph the nucleus of the disturbed S1 galaxy Mkn 231, which belongs also to the IR class of objects identified by IRAS and is interpreted to be in a later evolutionary stage of the collisional phenomenon going on in NGC 6240.

Selection Cycle

: 87A

QUASARS AGN -- (JETS) --1232 - "ROLL DECONVOLUTION OF A Q.S.O. IMAGE "

Keywords:

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie,

Bonn; Germany, West), M.Disney (University College, Cardiff;

United Kingdom)

We propose imaging of the QSO 3C48 with highest possible resolution, using the FOC at F/288 and the roll deconvolution technique. We also hope with this program to prove the roll-deconvolution technique for wider use by G.O.s. We shall be looking for jets and other active structures, and for the effect of the QSO on the host galaxy. For maximum resolution (0.015*) we want to obnserve in the UV (150nm), but this will depend on the available signal. We shall use 2 roll angles and we want similar (but short) exposures of a nearby star before and after for the P.S.F. determination.

Prop. Type: GTO/FOC

Selection Cycle : 87A

-- (HOST GALAXY) --QUASARS AGN

1233 - "NARROW BAND IMAGING OF QUASARS "

Keywords: QUASARS, IMAGING, NARROW LINE EMISSION

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), S.Di Serego Alighieri (Esa, European Coordinating Facility; Italy), M.Perryman (Esa, Estec; Netherlands), P.Shaver

(European Southern Observatory; Germany, West)

It has long been thought that quasars may be powered by the infall of gas, either from within the parent galaxy or from outside. It has also been thought that quasars may expel gas into the intergalactic medium, leading to large-scale enrichment at an early epoch. In either case, one may expect to find gas within the parent galaxies of quasars, and large gaseous halos around them. Other possibilities have been suggested - protogalactic disks, protoclusters, residual pancake structures - the remains of which might also appear as halos around quasars. Narrow-band observations of quasars with the ST will not only address these fundamental issues, but will at the same time touch on several others, including the nature of the parent galaxy, its evolution with redshift, the presence of nearby galaxies and possible protogalaxies, and the nature of the objects causing quasar absorption lines.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) --

1234 - "OBSERVATIONS OF GALAXIES UNDERLYING Q.S.O.'S "

Keywords: MORPHOLOGY OF QSO 'FUZZ', SPECTROSCOPY OF FUZZ

Proposers: Michael J. Disney (PI; University College, Cardiff; United

Kingdom), S.Phillipps (University College, Cardiff; United

Kingdom)

It is proposed to make observations of 13 low redshift QSO's (0.2 < Z < 0.6) plus 2 higher redshift objects to determine the nature, in particular the morphological type, of the underlying galaxies. Observations in the U and B bands (to accentuate morphological features) of 1800 seconds (3600 seconds for the two more distant QSO's) should enable luminosity profiles to be obtained to radii > 10 kpc at S/N=10. Such a project is not feasible from the ground due to atmospheric seeing which smears out the bright central QSO across the underlying galaxy image.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXY) -1235 - "FAR-ULTRAVIOLET SPECTRA OF VERY HIGH REDSHIFT QUASARS "
Keywords: HIGH REDSHIFT QUASARS - INTERGALACTIC MEDIUM

Proposers: Peter Jakobsen (PI; Esa, Estec; Netherlands), J.Blades (Esa,

Space Telescope Science Institute), A.Boksenberg (Royal

Greenwich Observatory; United Kingdom), F. Paresce (Esa, Space

Telescope Science Institute)

We intend to carry out a first exploraory survey of the redshifted Lyman continuum spectra of high redshift quasars. The main objective is to investigate the opacity of the intergalactic medium in the Lyman continuum and to carry out the He+ equivalent of the Gunn-Peterson test for once ionized intergalactic helium.

Prop. Type: GTO/FOC

Selection Cycle : 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) --

1236 - "A SEARCH FOR NEW GRAVITATIONAL LENSES "

Keywords: GRAVITATIONAL LENSES, QUASARS

Proposers: Craig D. Mackay (PI; Cambridge University; United Kingdom)

It is proposed to survey the images of known quasars at the highest resolution to look for multiple structure that might be caused by a gravitational lens. Quasars have been selected to have generally high redshift and rich absorption line spectra with multiple Systems to increase the chance of there being intervening material. The FOC at f/288 is the highest resolution instrument on ST and especially well suited to this search.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1237 - "STELLAR POPULATIONS IN M31 "

Keywords: STELLAR POPULATIONS, STAR FORMATION HISTORY, LOCAL GROUP Proposers: Michael J. Disney (PI; University College, Cardiff; United Kingdom), M. Edmunds (University College, Cardiff; United

Kingdom), B.Pagel (Royal Greenwich Observatory; United Kingdom)

We propose to study the colour magnitude diagram in a selected region of M31 that has a reasonable stellar column density corresponding to a surface brightness 23.5v mag/sq arc sec in order to compare numbers of stars with different ages and make deductions about the past history of star formation.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --1238 - "YOUNG STELLAR POPULATIONS AND EXTINCTION IN NEARBY GALAXIES " Keywords: MASSIVE STARS, STELLAR POPULATION, EXTINCTION LAW

Proposers: J. M. Deharveng (PI; Laboratoire Astronomie Spatiale; France),

J.Lequeux (Marseille Observatory; France)

It is proposed to observe star formation regions in several nearby spiral and irregular galaxies (present candidates being M33, IC1613 and M101). Observations with the FOC at f/96 through three filters, including a far UV filter, will overcome confusion problems and provide a statistics for hot stars yielding the luminosity function and the upper initial mass function. Observations with the far UV objective prism will allow to determine the far UV extinction law, and may be, the hydrogen column density and, hence, the gas to dust ratio. These observations will provide for the first time a complete study of the young massive stellar population and of the interstellar dust extinction outside our Galaxy.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1239 - "BULGE STELLAR POPULATIONS IN SO GALAXIES " Keywords: EARLY-TYPE GALAXIES, STAR FORMATION

Proposers: J. M. Deharveng (PI; Laboratoire Astronomie Spatiale; France),

C.Balkowski (Meudon Observatory; France), B.Rocca-Volmerange

(Institute Of Astrophysics, Paris; France)

It is proposed to study the origin of the UV flux in elliptical-type population and to determine the respective contribution from young stars and from hot stars commonly occurring in an old stellar population. Two SO galaxies NGC 5102 and MGC 3115, at reasonable distance and with very

different gas contents, have been selected. Observations through several filters (especially a far UV filter) will allow to resolve and study the massive stars, if they exist. The UV surface brightness of the unresolved background will be measured and will set constraints on the characteristics of hot evolved stars. A spectrum of the nucleus of NGC 5102 will allow to search for any evidence of nuclear activity which may contribute to the UV

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS) --

1240 - "THE FATE OF THE GAS AT THE CENTER OF AN ELLIPTICAL GALAXY: STAR FORMATION OR ACCRETION ON A MASSIVE OBJECT"

Keywords: ELLIPTICAL GALAXY, ACCRETION, SUPERGIANT, SPECTROSCOPY, IMAGING,

EMISSION LINE GALAXY

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United

Kingdom), H. Butcher (Groningen, University Of; Netherlands), M.Demoulin-Ulrich (European Southern Observatory; Germany, West)

What happens to the gas which is accreted by a galaxy? Does it form stars or is it accreted by a massive object and fuels an active nucleus? To answer these questions we propose to observe the nearby normal elliptical NGC 4278 in which the neutral and ionized gas have been extensively studied. We propose to search for and count massive hot stars recently formed from the accumulated gas within 3 arc sec of the center by taking a direct image with the filter F275W which combines high efficiency of FOC and high contrast of hot stars against galaxy background. We propose to take two long slit spectra in the first order which will give the velocity field, the velocity dispersion, the line intensity ratios [OII] lambda3727/[OIII] lambda5007/H-beta in the gas as a function of distance from center and a detection of or a significant upper limit to the broad component of H-beta indicative of an (intrinsically weak) Seyfert nucleus. The long slit spectra will be taken perpendicular to and along the axis of rotation of the ionized gas within 8 arcsec from center (P.A.=40D +/- 10D; P.A.=130D +/- 10D) which we have determined from the ground.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) --1241 - "A STUDY OF THE NUCLEAR REGION OF NGC 4321"

Keywords: NGC 4321 - NUCLEAR REGION - STELLAR POPULATION - GAS CHEMICAL

COMPOSTION - KINEMATICS

Proposers: F. Duccio Macchetto (PI; Space Telescope Science Institute),

N.Panagia (Esa, Space Telescope Science Institute)

We propose to study the properties of both the stellar and the gaseous components in the nuclear region of NGC 4321. The space distribution and the stellar composition of the stellar population will be determined by obtaining FOC images with a number of narrow band filters. The properties of the gaseous component (distribution, nature, i.e., HII region or PN or SNR, chemical composition, kinematics) will be investigated by taking spectra with the FOC long-slit spectrograph.

Selection Cycle : 87A Prop. Type: GTO/FOC

GALAXIES CLUSTERS -- (GAS) --

1242 - "DUST LANES AND FILAMENTARY STRUCTURES IN DOMINANT ELLIPTICAL GALAXIES "

Keywords : DOMINANT CLUSTER GALAXY, FILAMENTS, COOLING DUST

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), H. Norgaard-Nielsen (Copenhagen University

Observatory; Denmark)

Observations made with the best obtainable ground based angular resolution are insufficient to determine the kinematic structure of the filaments of dominant galaxies in clusters, the physical relation between the dust and ionized gas, and the origin of the filaments. Therefore, follow-up broad band U and B exposures with the FOC will be obtained. The small extent of the filaments (r 10") match well with the field of view of the f/48 relay. From published surface photometry we estimate that we can get good photometric accuracy (~2 per cent) within the allotted time. By exploiting the greater than one order of magnitude improvement in angular resolution we will acquire deeper understanding of these important astrophysical issues, especially the interrelation between the observed dust and ionized gas and an implied cooling flow around the galaxies.

Prop. Type: GTO/FOC Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS) --

1243 - "COOLING FLOWS IN DISTANT DOMINANT CLUSTER GALAXIES " Keywords : DOMINANT CLUSTER GALAXIES, COOLING FLOWS

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), G.Perola (Rome, University Of; Italy)

The systems of gaseous condensations detected in the optical range within and around the centrally dominant galaxy of X-ray clusters are thought to result from a radiative accretion flow. It is proposed to take advantage of the high spatial resolution and ST to study systems of this type in the strong Lyman Alpha emission line for which the contrast in brightness with the galaxy continuum is much greater than for optical lines. In particular it is proposed to explore in very distant clusters like A1795. Three clusters have been chosen, A1413 (z=0.14), 3C295 (z=0.46) and SC2O59-247 (z=0.19). They have optical and X-ray morphologies similar to A1795, but are a factor 3-4 more powerful in the X-rays. The program aims to prepare the grounds for a systematic study of the cooling flow phenomenon out to the very early epochs of the cluster evolution.

Prop. Type: GTO/FOC

Selection Cycle : 87A

-- (SEYFERTS) --QUASARS AGN

1244 - "NATURE OF GALAXIES WITH ANOMALOUSLY LARGE IR EMISSION "

Keywords: INFRARED, STARBURST, SEYFERT, IRAS

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), G.Miley (Esa, Space Telescope Science Institute)

One of the most important discoveries of the IRAS Satellite has been that some galaxies have anomalously large infrared to optical emission. These predominantly interacting "Starburst" systems are probably sites of extremely vigorous star formation. IRAS has also shown that many Seyferts have strong mid-IR components which are most likely due to emission from dust in the nuclear narrow-line regions. We wish to make broad and narrow-band images of extreme-IR galaxies from both of these classes. This is a pilot study. The ultimate aim of such a program will be to (a) determine the morphologies and colour distributions of both classes of objects as a function of distance and (b) investigate possible relations between the Seyfert and starburst phenomena.

Prop. Type: GTO/FOC

Selection Cycle : 87A

-- (HOST GALAXY) --QUASARS AGN 1245 - "IMAGES OF FAINT BLUE RADIO GALAXIES FROM THE 5C12 SURVEY "

Keywords: ACTIVE GALAXIES, SPIRAL GALAXIES, GALAXY EVOLUTION

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United Kingdom), C.Benn (Brain And Perception Laboratory; United Kingdom), G.Grueff (Bologna, University Of; Italy), M.Vigotti (Bologna, University Of; Italy), J. Wall (Royal Greenwich

Observatory; United Kingdom)

We propose direct imaging with the ST/FOC F/96 mode, of three blue radio galaxies from the 5C12 sample. These galaxies are photometrically and morphology distinct from the giant ellipticals which host most 5C radio surces, and they are tentatively identified low red-shift, late-type spiral galaxies hosting radio sources of order 1,000 x more radio luminous than those in normal spiral galaxies. The aim of these observations is detection of spiral structure in the galaxies and the form of their apparent interaction with neighbours. At the redshift ~0.2 estimated from their apparent magnitude, they are viewed at a scale of ~5 kpc arcsec-1 and direct imaging from the ground cannot reveal the presence of spiral arms.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1246 - "STUDIES OF BLUE COMPACT DWARF GALAXIES"

Keywords: BLUE DWARF GALAXIES, YOUNG STARS
Proposers: J. M. Deharveng (PI; Marseille Observatory; France), C.Barbieri

(Padova, University Of; Italy), M.Disney (University College,

Cardiff: United Kingdom)

It is proposed to observe a few blue compact dwarf galaxies at high angular resolution. The most massive stars are expected to be resolved and identified by an exposure through a far UV filter. Further exposures with a near UV and visible filters would give their colors. The aim is to determine how star formation may be affected by the extreme conditions known to be present in this category of objects (intense burst of star formation, low heavy element abundances, large amount of neutral hydrogen). An exposure with the WF/PC in the far red is supposed to reveal the possible existence of an older generation of stars.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI) --1247 - "RESOLUTION OF NUCLEI IN VIRGO DWARF ELLIPTICALS "

Keywords: DWARF ELLIPTICALS, VIRGO CLUSTER

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), B.Binggeli (Basel, University Of; Switzerland),

G. Tammann (Basel, University Of; Switzerland)

The core radii of globular clusters range from a few 0.1 pc to a few parsecs. Dwarf E nuclei most likely are dynamical entities quite similar to globular clusters hence their core radii must lie in the same range. At the Virgo distance of about 22 Mpc this translates into an angular range of 0.001" to 0.1" for the core radii, with total radii at best 10 times larger. Features of such extremely small angular size can only be resolved by the FOC.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1248 - "SEARCH FOR YOUNG STARS IN DWARF ELLIPTICALS "

Keywords : DWARF ELLIPTICAL, YOUNG STARS

Proposers: J. M. Deharveng (PI; Marseille Observatory; France), L. Vigroux (Cen, Service Astrophysique; France)

Search for young stars in 2 dwarf elliptical galaxies is proposed. Several of these galaxies in the local group and recently in the Virgo cluster are known to contain young stars. The origin of this ongoing star formation is still unknown. Only high resolution Space Telescope FOC observation will allow to study the properties of the star formation regions in galaxies

outside the local group. Then we propose FOC f/48 observations of 2 dwarf elliptical galaxies. They have been selected on the basis of multicolor CCD photometry obtained at the Canada France Hawaii telescope. Three filters are needed for each exposure. A UV image help to detect the brightest hot stars and U and B filters allow to determine the dust extinction and the colors of the brightest stars.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --1249 - "THE NATURE OF GALAXIES IN THE DISTANT CLUSTER AC103 "

Keywords: DISTANT GALAXY CLUSTER

Proposers: Craig D. Mackay (PI; Cambridge University; United Kingdom),

W. Couch (Durham University; United Kingdom), R. Ellis (Durham University; United Kingdom), R. Sharples (Anglo-Australian

Observatory; Australia)

We have analyzed multicolour photometry and obtained ectroscopic redshifts for a complete sample of faint galaxies in the southern cluster AC103 at a redshift of z = 0.31. FOC will be used to extend the colour distributions for cluster members into the far UV. High resolution images at 220 nm will reveal the location of star forming regions in galaxies of known colour and with known spectral characteristics. These FOC observations will test the prospects for faint object photometry and imaging in the UV before embarking upon more difficult and time consuming observations on very distant clusters.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (CIRCUMSTELLAR MATTER) --1250 - "HIGH-RESOLUTION STUDIES OF THE CIRCUMSTELLAR GAS AND DUST SHELLS OF ALPHA ORIONIS*

Keywords: COOL STAR, EXTENDED CIRCUMSTELLAR ENVELOPE

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie, Bonn; Germany, West), O.Engvold (Oslo, University Of; Norway),

D.Lambert (Texas, University Of), O.Moe (Oslo, University Of;

Recent studies of the bright supergiant star Alpha Ori have shown that it is surrounded by a highly extended, expanding, and evidently inhomogenous gas and dust envelope. The emission from the Alpha Ori envelope is barely detectable against the straylight background of ground based telescopes. We propose to observe Alpha Ori's outer atmosphere in narrow spectral bands. One band encloses the strong Mg II h and k lines, which give rise to resonance line scattering in the gas. All spectral bands contain emission caused by light scattering on dust grains. The program will map the gas and dust concentrations in the extended circumstellar envelope of Alpha Ori. One will measure the brightness variations in the radial directions as well as in the expected fine structured clouds of the envelope. The objective of

the program is to investigate the underlying physical conditions of the complex circumstellar envelope by utilizing the high spatial resolution, coronographic capabilities, and high UV sensitivity of the ST/FOC.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS) --

1251 - "COOLING FLOWS IN NEARBY DOMINANT CLUSTER GALAXIES "

Keywords: COMINANT CLUSTER GALXIES, COOLING FLOWS

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), A. Fabian (Cambridge University; United Kingdom)

Cooling flows of X-ray emitting gas appear to be common in clusters of galaxies and in galaxies. Mass inflow rates of between 1 and 1000 M theta yr-1 mean that this process has a considerable influence on the evolution, and possibly the formation of galaxies. Star formation must be particularly efficient and widespread. The driving force for these flows in the pressure of diffuse hot gas which is thermally unstable and leads to optical emission filaments. Further optical and UV studies of this process requires high resolution spatial and spectral observations. The ST FOC will match this need. Cooling flows have wide implications for dissipational galaxy formation, star formation, elliptical galaxy dynamics, the powering of active nuclei and the propagation of jets. FOC observations will provide the basis for understanding the distribution and IMF of large-scale and efficient star formation and continuing formation of large galaxies.

Prop. Type: GTO/FOC Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (COOL STARS) --1252 - "HIGH-RESOLUTION MEASUREMENTS OF NEARBY GIANT STARS: SURFACE STRUCTURES

AND SHELLS" Keywords: OMICRON CETI, ALPHA-ORI, ALPHA SCO, STAR SURFACES, DUST SHELLS Proposers: Gerd Weigelt (PI; Erlangen-Nurnberg University; Germany, West),

M. Jura (Uc, Los Angeles)

Roll-deconvolution of ST data recorded with the f/288 mode of the FOC can yield diffraction-limited resolution at short UV wavelengths, for example, 0.015" resolution at lambda = 150nm. This resolution is high enough to resolve the surface of nearby giant stars including Omicron Ceti, which has an angular diameter of 0.06", and Betelgeuse and Antares, both of which exhibit a measured diameter of 0.05". In addition to surface structures, dust shells, especially the dust shell of Betelgeuse, will be investigated. In the case of Omicron Ceti (Mira), it is also intended to study the close companion Mira B.

Prop. Type: GTO/FOC

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (SUBLUMINOUS STARS) -- 1253- LT - "HIGH RESOLUTION OBSERVATIONS OF CATACLYSMIC VARIABLES " Keywords : CATACLYSMIC VARIABLES, NOVAE, SYMBIOTICS, SHELLS

Proposers: Francesco Paresce (PI; Space Telescope Science Institute),

F. Macchetto (Esa, Space Telescope Science Institute), C. Mackay

(Cambridge University; United Kingdom)

It is proposed to explore at high spatial and moderate spectral resolution the close environments of ten cataclysmic variable stars known or suspected to possess complex surrounding emission nebulosities. The study will be conducted using the narrow band and interference filters centered on bright nebular emission features of hydrogen, carbon and oxygen. A wide combination of unique FOC capabilities including coronography, polarimetry and the high resolution apodizer will be employed to study in depth the most representative object of each class of cataclysmic variables. These capabilities will allow shells of ejecta around recent novae to be distinguished from the central star at a much earlier stage in their evolution and to detect very much fainter ejecta from old novae than possible from the ground. The basic aim of this study is to gain insight into the physical conditions of the nebula, the geometry of the nova explosion and the nature of the interstellar medium local to the nova. The proposed study of symbiotic systems, on the other hand, should permit resolving the objects into their postulated compact sources, barely resolving the accretion disk around the hot component, and determining the precise connection of the disk with the jets. The program also aims at assessing the possibility of using novae as extragalactic distance indicators.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (SUBLUMINOUS STARS) -- 1254 - "OBSERVATION OF VERY HOT, HIGH MASS CENTRAL STARS OF PLANETARY NEBULAE " Keywords: PLANETARY NEBULAE, HOT CENTRAL STARS.

Proposers: T. M. Kamperman (PI; Space Research Laboratory Utrecht; Netherlands), P.Atherton (Groningen, University Of; Netherlands), S.Pottasch (Groningen, University Of;

Netherlands), N.Reay (Imperial College, London; United Kingdom)

It has proved impossible to detect the very hot exciting stars of some planetary neblae from the ground. This is probably because these stars emit a great many ionizing photons for each visible quantum. The ionized nebula is therefore so extensive that the nebular emission, both line and continuum, completely dominate the visual continuum emission of the central star, which becomes lost in the noise. Observing above the atmosphere increases the possibility of detection of these central star by a factor of at least 400. A factor ~ 100 because the light of the central star is within an image of. 1" instead of the ~ 1" ground seeing limitation allowing better discrimination of the star against the diffuse nebular continuum and a further factor ~ 4 occurs because the star is that much brighter, relative to the nebula, in the ultraviolet than it is in the

visible.

Prop. Type: GTO/FOC

Selection Cycle

STELLAR ASTROPHYSICS -- (HOT STARS) --

1255 - "THE VERY MASSIVE OBJECTS R136A IN THE 30 DORADUS NEBULA, NGC 3603 AND

ETA CARINAE"

Keywords: R136A, NGC 3603, ETA CAR, HII REGIONS, WR STARS

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie,

Bonn; Germany, West)

R136a is the core of the ionizing cluster NGC 2070 at the center of the 30 Doradus nebula in the Large Magellanic Cloud. The interesting question is whether R136 is a supermassive object or whether it is a dense star cluster. We propose FOC f/288 imaging and roll deconvolution in order to solve the question. Roll deconvolution of FOC f/288 data can yield exactly diffraction-limited resolution, for example, 0.02" at lambda = 200 nm. The same observations are proposed in order to study the nature HD 97950 AB in NGC 3603 and Eta Carinae. HD 97950 in NGC 3603 is probably of similar nature as R136. Objective prism observations are proposed in order to perform speckle spectroscopy of R136a and HD 97950 AB. Speckle interferometry observations (object autocorrelations) show that all 3 objects can be resolved with the ST. Only FOC f/288 measurements can yield the required resolution since only in the case of f/288 data the pixel size is small enough.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (HOT STARS) --

1256 - "THE NATURE OF THE LUMINOUS 'STARS' IN GIANT H II REGIONS "

Keywords: OB-ASSOCIATION-H II REGION-30 DOR NEBULA, 'SUPERMASSIVE STAR' Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie, Bonn; Germany, West), P.Benvenuti (Esa, European Coordinating Facility; Germany, West), S.D'Odorico (European Southern Observatory; Germany, West), M.Rosa (Esa, European Coordinating

Facility; Germany, West)

High spatial resolution long slit spectra will be obtained of the stellar-like luminous objects in the cores of giant extragalactic H II regions, namely R136 in the 30 Dor complex and two OB-WR type sources in NGC 604 in M 33. The detailed analysis of the spectral features in the wavelengthand the spatial regimes will be used to clarify the situation between the models proposed for these objects, i.e. whether they are very dense clusters of massive early type stars or whether they are small groups of or even are singleobjects in the 500 to 2000 solar masses range. Settling this question for the supermassive star candidates advocated in th Local Group will provide strong constraints for the interpretation of central objects in giant H II regions in more distant galaxies where star cluster appear unresolved even to ST. The 0.1 arc sec slit of the FOC will

resolve 5000 AU in R136 and 7 10 4 AU in NGC 604 (comparable to ground based work on R136). Combined with ground based observations of NGC 3603 (the galactic candidate for a dense cluster/supermassive object) these observations will provide a continuous ladder of arguments based on the spectral and spatial characteristics of the object, that canbe extrapolated to interpret similar objects in more distant galaxies.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1257 - "MASSIVE STARS IN EXTRAGALACTIC HII REGIONS "

Keywords : MASSIVE STARS, HII REGIONS

Proposers: J. M. Deharveng (PI; Cnrs, Laboratoire Astronomie Spatiale; France), M. Joubert (Cnrs, Laboratory For Space Astronomy;

France), J.Lequeux (Marseille Observatory; France)

It is proposed to take advantage of the high angular resolution and UV response of the Faint Object Camera to study the young massive stellar population in giant extragalactic HII regions. This will, in turn, enable to determine the upper Initial Mass Function in conditions different from those in the solar neighborhood. Three HII regions, NGC 604 and NGC 595 in the galaxy M33, NGC 5471 in the galaxy M 101 have been selected for observations at the f/96 mode. Three filters, including one in the far UV, are required for each target.

Prop. Type: GTO/FOC

Selection Cycle

: 87A

STELLAR POPULATIONS -- (MAGELLANIC CLOUDS) --1258 - "CHEMICAL EVOLUTION AND HISTORY OF STAR FORMATION IN THE LMC "

Keywords : LARGE MAGELLANIC CLOUD - AGE - LUMINOSITY FUNCTION Proposers: Peter Jakobsen (PI; Esa, Estec; Netherlands), A.Ardeberg (Lund

Observatory; Sweden), B. Gustafsson (Stockholm Observatory; Sweden), G.Lynga (Lund Observatory; Sweden), P.Nissen (Aarhus, University Of; Denmark), B. Westerlund (Uppsala Astronomical

Observatory; Sweden)

We intend to determine the age-metallicity relation and the luminosity function in the central bar of the Large Magellanic Cloud by obtaining deep FOC exposures in the four Strongren uvby passbands.

Prop. Type: GTO/FOC Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

1259- LT - "OBSERVATIONS OF SUPERNOVAE "

Keywords: SUPERNOVAE-GALACTIC HALOES-GALACTIC ENVIRONMENTS
Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), J. Blades (Esa, Space Telescope Science Institute),

N.Panagia (Esa, Space Telescope Science Institute)

We plan to observe supernovae (SNe) brighter than mB ~17m as soon as they are discovered and to follow their evolution in time by means of spectroscopic observations at early epochs and broad band photometry (imaging) at later epochs. Simultaneous IR, optical and radio observations will also be arranged. As interesting side-products, we will be able to study the properties of the intervening gas along the line of sight toward each SN as well as to reveal and study HII regions, bright planetary nebulae and supernova remnants which are expected to be found within the observing slit of the FOC spectrograph. Moreover, we plan to observe some of the brightest SNe which have been discovered recently and whose early phases have been studied by us in great detail.

Prop. Type: GTO/FOC Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) --

1260 - "OBJECTIVE PRISM SURVEY "

Keywords: UV EMISSION, STARS, GALAXIES, ACTIVE GALAXIES, QUASARS. Proposers: Craig D. Mackay (PI; Cambridge University; United Kingdom)

We propose to survey a set of fields at different galactic latitudes to look for new classes of object and to gather statistical data on the frequency and forms of UV emission in the general background population of stars and galaxies. The FOC at f/48 will be used with the FAR-UV Objective prism and a broad UV filter to allow low resolution spectra to be taken. The FOC has excellent dark current and the sky in the UV is dark, allowing spectra to be obtained for numbers of objects at very faint levels indeed.

Prop. Type: GTO/FOC Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY SOURCES) --

1261 - "OBSERVATIONS OF SS 433 "

Keywords: SS 433; JETS.

Proposers: Alec Boksenberg (PI; Royal Greenwich Observatory; United Kingdom), F.Paresce (Esa, Space Telescope Science Institute)

Jet formation is a widespread phenomenon in the universe. Jets have been identified is such widely disparate sites as AGNs, neutron stars and black holes, accreting hot subwards or white dwarfs and young stars embedded in cocoons of gas and dust. We propose here to study the structure and dynamics of jets in SS 433. This object affords us the best means of

directly testing the physics of accretion disk formation and jet activity. Specifically, high spatial resolution images of SS 433 will reveal the presumed jets of material giving rise to the moving spectral features, definitely resolving fundamental questions on the overall geometry encompassing the ballistically flowing material. Sequential images taken at intervals of a few days will record the time development of the bursts of ejection relating to the short-lived spectral structure observed.

Prop. Type: GTO/FOC

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (DUST) --1262 - "EVOLUTION OF GRAINS IN MOLECULAR CLOUD SHOCKS "

Keywords: INTERSTELLAR SHOCKS - DUST GRAINS - REFLECTION NEBULAE Proposers: Peter Jakobsen (PI; Esa, Estec; Netherlands), G.Chlewicki (Leiden, University Of; Netherlands), J. Greenberg (Leiden, University Of; Netherlands), F. Paresce (Esa, Space Telescope

Science Institute)

We intend to observe a shocked molecular region in Orion by using the f/96 imaging mode of the FOC. The objective of this program is to resolve the spatial structure perpendicular to the direction of motion of the shock front and the derive information on the changes in grain characteristics across the shock by observing the variation in intensity and wavelength dependence of scattered light. Our target is a section of the bright bar between THETA2 Ori and the Trapezium which is easily seen in continuum scattering as well as in nebular emission lines.

Prop. Type: GTO/FOC

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (HH OBJECTS) --

1263 - "STAR FORMATION REGIONS: HH AND T TAU OBJECTS " Keywords: STAR FORMATION - INTERSTELLAR MEDIUM - HH OBJECTS - TTAU OBJECTS Proposers: J. Chris Blades (PI; Esa, Space Telescope Science Institute)

It is proposed to study objects in their early stages of formation to investigate the intrinsic properties of these young objects and to establish the nature of their interaction with the local ISM. Time variablity of these targets is an important parameter, the targets will be revisited several times during the GTO phase. The program requires both the high-resolution, ultraviolet imaging and the long-slit spectrograph of the FOC for its success.

Prop. Type: GTO/FOC Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

1264 - "POLARIMETRY OF WISPS NEAR THE CRAB PULSAR " Keywords: POLARIMETRY, SUPERNOVA, PULSAR, CRAB NEBULA, PROPER MOTION Proposers: Michael J. Disney (PI; University College, Cardiff; United

Kingdom), I.Mclean (Royal Observatory, Edinburgh; United

Kingdom)

We propose to observe the polarization in the Crab Nebula close to the pulsar in the U band. Our 3x1 hour observations will yield results accurate to 2.5%, and 5 degrees in a resolution element of 0.06". This will complement longer wavelength studies that can be better made with the WFC. It enables us to begin a longer term investigation of the motions reported in the wisps. Since we shall see 3727 filaments in U we propose a 1 hour 3727 exposure to subtract off the line contribution.

Prop. Type: GTO/FOC Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (PLANETARY NEBULAE) --1265 - "FOC OBSERVATIONS OF SOME RING- AND PLANETARY NEBULAE "

Keywords: RING NEBULAE, PLANETARY NEBULAE, MORPHOLOGY

Proposers: T. M. Kamperman (PI; Space Research Laboratory Utrecht;

Netherlands), J.Blades (Esa, Space Telescope Science Institute),

J. Deharveng (Cnrs, Laboratory For Space Astronomy; France)

FOC filter and spectrographic observations are proposed of circumstellar HII regions around hot stars: one ring nebula around a Wolf-Rayet star and two planetary nebulae OVI- class central stars. The scientific aim is to study the morphology of the edge of these nebulae in different forbidden and semi- forbidden emission lines of CIII, OIII, Mg V and ArV, and the chemical abundance ratio's in the nebulae. The morphology is a powerful indicator for the origin of the nebulae (e.g.mass loss, ejection). The chemical abundance ratios, notably the C/O ratio, in the nebulae are significant measures on the evolutionary state of the central stars. The FOC enables observations, also in the visible wavelength region, at a spatial resolution at least 100 times as high as has been posssible so far.

Prop. Type: GTO/FOC Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (PLANETARY NEBULAE) --

1266 - "MAGELLANIC CLOUD PLANETARY NEBULAE "

Keywords : PLANETARY NEBULAE, HIGH RESOLUTION IMAGING, LONG SLIT

SPECTROSCOPY

Proposers: J. Chris Blades (PI; Esa, Space Telescope Science Institute)

Using the high resolution f/96 mode of the FOC we shall image Magellanic Cloud Planetary Nebulae - objects whose diameters are less than 2 arcsec. Their known distances will allow nebular masses to be derived from their

angular diameters, yielding the distribution of PN shell masses for the first time. In combination with their nebular expansion velocities, known from ground-based studies, it will be possible to determine the age of the objects. We shall obtain spatially resolved long-slit f/48 spectra of the nebulae to determine the electron density distribution and chemical abundances and to enable detailed nebular modelling thereby yielding the central star effective temperatures and luminosities. Comparison of those two parameters will allow a comparison to be made with the masses derived for the ejected envelopes.

Selection Cycle : 87A Prop. Type: GTO/FOC

QUASARS AGN -- (ABSORPTION LINES) --

1267 - "INTERSTELLAR MEDIA OF EXTERNAL GALAXIES "

Keywords: INTERSTELLAR GAS, DUST; EXTERNAL GALAXIES; EARLY TYPE

SUPERGIANTS, QSOS

Proposers: J. Chris Blades (PI; Esa, Space Telescope Science Institute)

This program will study the interstellar gas and dust in external galaxies via UV absorption lines superposed on the spectra of background stars and QSOs. First, we shall observe several early-type supergiants in M31, having a range in reddening and galactocentric distance: the properties of the dust and gas in M31 will be derived, as well as intrinsic properties of the stars. Second, we shall observe several QSOs behind NGC253 and Fornax whose sight-lines probe the outer disks and halos of these galaxies: the column density and extent of absorbing gas will be determined. Finally we shall study several QSOs situated near intervening galaxies whose spectra are already known to show galaxian CaII or NaI. Depending on our target we shall use either the FOS or FOC f/48 spectrograph.

Prop. Type: GTO/FOC Selection Cycle : 87A

> SOLAR SYSTEM -- (MINOR PLANETS) --

1268 - "PHYSICS OF ASTEROIDS "

Keywords: SOLAR SYSTEM, ASTEROIDS

Proposers: Rudolf Albrecht (PI; Esa, European Coordinating Facility;

Germany, West), J.Caldwell (Space Astrophysics Laboratory, Ists; Canada), T.Kamperman (Space Research Laboratory Utrecht;

Netherlands), H.Schober (Graz University; Austria), G.Weigelt

(Mpi F. Radioastronomie; Germany, West)

The purpose of the proposed investigation is to detemine the physical properties of selected asteroids (currently more than 4000 known, mainly between Mars and Jupiter, diameters ranging up to 10dex3 km). The asteroid 1 Ceres has a diameter of 1025 km and produces an image of 0.7 arcsec at opposition. We will study it with the FOC F/288 high resolution mode to determine the absolute diameter (and thus calibrate the asteroid diameter scales), the irregularities of the body, and the reasons for variations during its rotation (about 9.1 hours). The surface structure will be

resolved to about 10x10 km per pixel, and also studied during rotation. The same will be done for a number of other asteroids. The position of the rotational pole will be determined, as well as the sence of rotation. Several asteroids are suspected to consist not only of one single body, but to be binary or multiple in nature, or to have satellites. The proposed observations will provide answers to these questions. The FOC in F/288 mode will for the first time produce direct images of asteroids with a resolution sufficient to discern surface details.

Selection Cycle : 87A Prop. Type: GTO/FOC

SOLAR SYSTEM -- (GIANT PLANETS) -- 1269 - "FAR UV OBSERVATIONS OF THE GIANT PLANETS "

Keywords : FAR ULTRAVIOLET, GIANT PLANETS, AURORAE

Proposers: Francesco Paresce (PI; Esa, Space Telescope Science Institute),

J.Gerard (Liege, University Of; Belgium), A.Vidal-Madjar

(Institute Of Astrophysics, Paris; France)

H and H2 are the main constituents of the upper atmospheres of the giant planets and Titan, H is abundant in their exospheres and magnetospheres and N2, produced by photolysis of NH3, dominates the lower atmosphere of Titan. The spatial distribution of these elements is determined by the photochemical and particle dissociation processes responsible for their production and by the transport mechanisms responsible for their distribution. The presence of these planetary constituents is revealed by emissions of the HI, 1216 A Lyman alpha line, the H2 Lyman and Werner, and the N2 Lyman-Birge-Hopfield bands in the 1000-2000A region, all produced by particle impact excitation and/or resonance scattering of sunlight. Spatial and spectral images of the H, H2 and N2 atmospheres around these objects, consequently, represent key diagnostic tools in the investigation of these fundamental planetary phenomena. Moreover, Lyman alpha images of the giant planets taken at high enough spatial resolution will permit a determination of the abundance of deuterium, an extremely sensitive tracer of primordial nucleosynthesis. We propose to obtain a series of high resolution images of the giant planets' upper atmospheres and near-planetary environments in the far uv that are unobtainable from the ground or from the present generation of planetary probes.

Prop. Type: GTO/FOC Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS) --1270 - "HIGH-RESOLUTION OBSERVATIONS OF PLUTO AND ITS MOON CHARON "

Keywords : PLUTO, CHARON

Proposers: Gerd Weigelt (PI; Max-Planck-Institut Fuer Radioastronomie,

Bonn; Germany, West)

Roll deconvolution of ST data recorded with the f/288 mode of the FOC can yield diffraction-limited resolution at short UV wavelengths, for example 0.03" at lambda = 300 nm. This resolution is adequate enough to resolve for the first time the surface of Pluto (diameter 0.14 to 0.18") and of Charon (diameter 0.05 to 0.09*). Furthermore, ST measurements can improve our knowledge about the Charon orbit, the mass of Pluto and Charon and their densities.

Prop. Type: GTO/FOC

Selection Cycle : 87A

DULAR SYSTEM -- (COMETS) -- 1273 - "DETECTION OF WATER IN COMETS "

Keywords : COMETS

Keywords : COMETS

Proposers: Cesare Barbieri (PI; Padova, University Of; Italy), J.Bertaux

(Cnrs, Aeronomy Service; France), T. Encrenaz (Institute Of

Astrophysics, Paris; France), M.Festou (Institute Of

Astrophysics, Paris; France)

It is proposed to detect the presence of water vapor in comets and to measure its production. Two methods will be used:a) the direct observation of water vapor absorption near 1650-1850 A; b) the observation of the emission of OH radicals directly produced into the A state after dissociation of their parent molecule, currently asumed to be H20. The first method implies either to record the spectrum of a hot star when it is occulted by the vapor envelope or to record the spectrum of the sunlight reflected by the dust particles, after it has been partially absorbed by the atmosphere of the comet. The second method implies to map the OH* emission near 3080 A: OH radicals directly produced in the A state have a very different spatial distribution than those which fluoresce in the solar light. The detection will be attempted on comet P/Brorsen-Metcalf in July 1989.

Prop. Type: GTO/FOC Selection Cycle : 87A

STELLAR POPULATIONS -- (EXTRASOLAR PLANETS) -- 1274 - "A SEARCH FOR PLANETS AROUND NEARBY STARS "

Keywords: EXTRA-SOLAR PLANETS; SUB-STELLAR MASS COMPANIONS

Proposers: Cesare Barbieri (PI; Padova, University Of; Italy), A.Labeyrie

(Cerga; France), A. Nota (Esa, European Space Operations Centre;

Italy), H. Zinnecker (Royal Observatory, Edinburgh; United

Kingdom)

We propose to take advantage of the very high resolution, sensitivity and attenuation capabilities of the FOC in its coronographic mode to search for planets of other stars, in order to get direct proof of their existence and to obtain data on the formation of planetary systems. Stars like Eps Eri and Barnard's are prime candidates for this search, because they are close to the Sun and their motion seems to be perturbed by unseen low-mass companions. The FOC is very suited to carry out the search, thanks to the photon counting capabilities, to the high attenuation of the coronograph, and to the small pixel size resolving the structure of the PSF of the bright primary star. A roll-blinking technique will be used to improve the

detection capabilities.

Prop. Type: GTO/FOC

Selection Cycle

87A

STELLAR ASTROPHYSICS -- (CIRCUMSTELLAR MATTER) -- 1275 - "OBSERVATIONS OF CIRCUMSTELLAR MATERIAL AROUND NEARBY STARS"

Keywords: PROTOPLANETARY, CIRCUMSTELLAR, DISKS, SHELLS

Proposers: Francesco Paresce (PI; Esa, Space Telescope Science Institute),

C.Barbieri (Padova, University Of; Italy)

It is proposed to explore at high spatial and moderate spectral resolution the close environments of 35 nearby stars that have a measured infrared excess indicating the presence of cold circumstellar material. The study will be conducted in the near and far ultraviolet where the full power of the FOC can be brought to bear and where several bright inherently circumstellar features may be expected. Narrow and medium band imaging with the high resolution apodizer, polarimetry and long slit spectroscopy will be utilized in the proposed program. The endeavor aims at determining the nature and the spatial and particle size distribution of the material surrounding these stars in as wide a range of spectral types, luminosities and distances from the central object as possible. The results should shed considerable light on the processes of formation and evolution of circumstellar structures relevant to the present or the protoplanetary solar system.

Prop. Type: GTO/OS Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) --

1276 - "LARGE AREA/MULTICOLOR SURVEY "

Keywords : GALAXIES - CLUSTERS; GALAXIES - EVOLUTION; COSMOLOGY

Proposers: Edward J. Groth Iii (PI; Princeton University)

Deep high latitude observations will be made with the WFC in order to study cosmology using as probes: the clustering of galaxies, galaxy counts as a function of magnitude, evolution of the galaxy luminosity function, evolution of galaxy colors, galaxy morphology, and the distribution of galaxies in redshift. The observations consist of a strip of 36 overlapping WFC exposures with the wide I filter. The strip is oriented in such a way that the FOC f/48 aperture will lie along the strip. Parallel FOC exposures with a wide B filter are used to provide color information for a subset of the galaxies detected in the WFC exposures. In addition, two of the fields are observed in six colors with the WFC and three colors with the FOC to provide detailed color information on a sample of the galaxies. These exposures will also be useful for star count studies bearing on galactic structure.

Prop. Type: GTO/OS

Selection Cycle

: 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1277 - "IMAGING OF M31-GROUP GALAXIES "

Keywords: M31 -- STELLAR POPULATIONS -- HALO -- GLOBULAR CLUSTERS -- LOCAL

GROUP

Proposers: Ivan R. King (PI; Uc, Berkeley), P. Crane (European Southern

Observatory; Germany, West), J.Deharveng (Marseille Observatory; France), M.Disney (University College, Cardiff; United Kingdom)

1. Spatially resolved surface photometry at center of M31. 2. Color-magnitude array at edge of M31 central bulge. 3. Spatially resolved surface photometry at center of M32. 4. Color-magnitude array, not far from the center of M32. 5. Detection of stars that contribute the UV light. 6. Counting of Pop II red giants against the background of Pop I light in M31 central bulge, similarly in M32. 7. High-resolution imaging of dust and young stars at the centers of NGC 185 and 205, and old stars in these and NGC 147. 8. Simultaneous PC imaging of M31 globular clusters, the outer-bulge population of M31 and M32, the halo population of M31, and the outer population of NGC 185, 205, and 147.

Prop. Type: GTO/OS Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) -- 1278 - "SPECTROSCOPY OF THE CENTERS OF M31, M32, AND NGC2O5" Keywords: GALAXY -- SPECTROSCOPY -- ROTATION -- DYNAMICS

Proposers: Ivan R. King (PI; Uc, Berkeley), P. Crane (European Southern

Observatory; Germany, West)

The M31 spectra, taken with the slit along the major axis, will total 2 hours and will produce enough counts to get both the rotation curve and the velocity dispersion as a function of position along the slit, with 1- pixel resolution at the center and resolution degraded to several pixels farther out. The M32 spectra will total 1 hour and will give a high-resolution rotation curve along the major axis. (The slit is too wide to get the velocity didpersion). The spectra of NGC 205 will do almost the same, on the small nucleus. In all cases parallel exposures will be made with the PC, on M31 globular clusters, and including the surrounding edge-of bulge population.

Prop. Type: GTO/OS

Selection Cycle

: 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1279 - "STRUCTURE OF GLOBULAR CLUSTERS "

Keywords : GLOBULAR CLUSTERS -- DYNAMICS -- LUMINOSITY FUNCTION Proposers: Ivan R. King (PI; Uc, Berkeley), S.Djorgovski (Center For

Astrophysics), F. Macchetto (Esa, Space Telescope Science

Institute)

Four contrasting clusters are studied, to elucidate the differences in their dynamics. Omega Centauri and 47 Tucanae are normal clusters but differ in relaxation time by a factor of 30; they should show interesting differences of structure due to differences in anistropy and equipartition. NGC 6624 has a collapsed core, which has never been resolved. NGC 6752 is a concentrated cluster with a small distance modulus and can be studied quite faint. Each cluster is observed in B and V at the center and at 1 and 3 core radii; ground-based data will be secured to carry the distributions farther out. The distributions of all types of stars should be delineated, down to and including red dwarfs and white dwarfs. Far-UV exposures are made at the centers of M15 and NGC 6624, to search for possible counterparts to the X-ray sources, and in the NGC 6752, to determine the temperatures of the BHB stars. Simultaneous exposures are made in V and I with the WFC, to gain further structural information.

Prop. Type: GTO/OS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --

1280 - "COLLAPSED CORES OF GLOBULAR CLUSTERS "

Keywords : GLOBULAR CLUSTER--DYNAMICS

Proposers: Ivan R. King (PI; Uc, Berkeley), S.Djorgovski (Center For

Astrophysics)

About a dozen globular clusters are known that have the central density peak that is probably the signature of dynamically collapsed core. These will be imaged for surface photmetry at higher resolution than can be achieved on the ground. Simultaneous WFC exposures will contribute information on the raidal density distribution of faint stars.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR POPULATIONS -- (GALACTIC BULGE) --

1281 - "THE FAINT POPULATION IN BAADE'S WINDOW "

Keywords: BULGE -- STELLAR POPULATION -- LUMINOSITY FUNCTION

Proposers: Ivan R. King (PI; Uc, Berkeley), J. Deharveng (Marseille

Observatory; France)

With 1500 sec in each of U, B, and V, at f/96, we will easily reach the main-sequence turnoff in the central bulge of the Milky Way, taking advantage of the low absorption in Baade's Window. FOC resolving power is adequate to separate stars down to the limited magnitude of ST. A by-product of another program will be a pair of V and I parallel WFC exposures, overlapping the same field.

Prop. Type: GTO/OS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --1282 - "IMAGING OF HIGH-REDSHIFT FIELD GALAXIES AND CLUSTERS"

Keywords : DISTANT GALAXY -- DISTANT GALAXY CLUSTER

Proposers: Ivan R. King (PI; Uc, Berkeley), P. Crane (European Southern

Observatory; Germany, West), D.Koo (Space Telescope Science Institute), R.Kron (Chicago, University Of)

Koo and Kron have a long list of redshifts, from small up to 0.8, for individual and clustered galaxies in several fields; they also have 4 ground-based colors. Their fields are paired at seperations of 7 min, so that we can observe neighboring fields simultaneously with the FOC and the WFC. The aims are: (1) Visible and UV morphology, (2) UV colors. In every case the FOC images one or more galaxies in detail, while the WFC covers an area in which several galaxies have known redshifts. Most of the FOC work is at f/48, because the number of expected counts does not allow higher resolution at good S/N.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1283 - "M31 GLOBULAR CLUSTERS AND HALO STARS "

Keywords: M31--STELLAR POPULATIONS--HALO--GLOBULAR CLUSTERS-- LOCAL GROUP Proposers: Ivan R. King (PI; Uc, Berkeley), M.Disney (University College, Cardiff; United Kingdom), A.Renzini (Bologna, University Of; Italy)

Since all of the globular clusters in M31 are at the same distance modulus, they offer an unparalleled opportunity to compare absolute magnitudes of various features of their HR diagrams, especially the horizontal branch. Clusters will be studied in B and V, with 0.1 mag accuracy in each color at 1 mag below the HB. The clusters chosen cover a range in meallicity and hopefully a range in the second parameter too. A number of clusters will get preliminary shorter exposures, to delineate the HB morphology; then the best 3 will be chosen for full study. Parallel WFC exposures will be made on fields of the M31 halo. These will delineate the density distribution and the upper part of the luminosity function (including HB morphology). Parallel PC exposures in King GTO programs will add to the sample of M31 globulars.

Prop. Type: GTO/FOC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --

1284 - "GLOBULAR CLUSTER POPULATION IN M87 "

Keywords : GLOBULAR CLUSTER -- ELLIPTICAL GALAXY -- M87

Proposers: Ivan R. King (PI; Uc, Berkeley), R. Cannon (Royal Observatory,

Edinburgh: United Kingdom)

B and V f/96 512x1024 images zoomed to 22x22 arcsec, 1 arcmin from the center of M87, will give good sampling of globular clusters. The WFC will take V and I simultaneously, 5.5 min on the other side of the center. The combination of these will give the luminosity function of M87 globulars down to B=25.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES, RINGS) --

1285 - "IO, EUROPA AND GANYMEDE BELOW 3000 A "

Keywords: IO, EUROPA, GANYMEDE, SO2

Proposers: John J. Caldwell (PI; York University; Canada)

Observe Io and Europa both at each orbital elongation (total of four exposures) with FOS H27, to search for SO2 absorption features. It is assumed 2 that an analogous single exposure on Ganymede will be part of the observatory calibration program. Also observe Io at one orbital elongation and Ganymede with HRS G200M, the former for S02 absorption features, the latter for 2 calibration. L. Trafton of the HRS team will obtain a similar exposure of Io at the other orbital elongation. Finally image both Io and Europa at both orbital elongations with FOC F220W f/288.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) --1286 - "AURORAL IMAGING OF JUPITER AND SATURN "

Keywords: JUPITER, SATURN, AURORA, H2

Proposers: John J. Caldwell (PI; York University; Canada)

Observe Jupiter and Saturn with the FOC, using two filters in series to reduce the red leak, at 1600 A for H2 Auroral emissions. For Jupiter, a sequence of seven images of the North Polar Region, spaced over one Jovian day, will be acquired. For Saturn, only one image will be attempted.

Prop. Type: GTO/OS

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (EXTRASOLAR PLANETS) --

1287 - "BETA PICTORIS ENVIRONMENT "

Keywords: BETA PICTORIS, CIRCUMSTELLAR RINGS

Proposers: John J. Caldwell (PI; York University; Canada)

Images of the Beta Pictoris Ring System will be obtained with the FOC, using the occulting fingers, over a wide wavelength interval to determine gross compositional information. FOS spectroscopy of selected regions will be obtained later.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) -- 1288 - "SPATIALLY RESOLVED SPECTROSCOPY OF JUPITER, SATURN AND SATURN'S RINGS " Keywords: ATMOSPHERIC CHEMISTRY, JUPITER, SATURN

Proposers: John J. Caldwell (PI; York University; Canada)

Obtain Spectrophotometry of selected regions of Jupiter and Saturn from 1500 to 3000 A, to study chemical composition of the upper atmosphere at various places with distinctive characteristics, including the poles, belt, zones and the Great Red Spot. Also obtain spectra of Saturn's A and B rings between 1500 and 2300 A.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS) --

1289 - "STRUCTURE AND COMPOSITION OF TITAN'S ATMOSPHERE "

Keywords: TITAN, ATMOSPHERIC CHEMISTRY

Proposers: John J. Caldwell (PI; York University; Canada)

Titan will be observed both with ultraviolet and near infrared imaging and with ultraviolet spectroscopy. The near infrared imaging includes both the CH 4 band at 8890A and the nearby continuum, with a very broad-band filter for the latter. These wavelengths were not covered by the previous Voyager imaging. The CH band images may show atmospheric structure not otherwise visible, 4 because of the high opacity at this wavelength. The continuum image may actually sample the surface of Titan because the opacity there may be much lower than at other accessible wavelengths. The ultraviolet imaging is to look for very high altitude atmospheric structure that might be associated with details of the ultraviolet spectroscopy (which will itself have not spatial resolution). The ultraviolet spectroscopy will include a search for discrete absorption features, including those of CO, as well as continuum Rayleigh scattering from the atmosphere. Rayleigh scattering has not previously been detected from Titan, despite the very thick atmosphere there, because of strong absorption by quasi-organic material.

Prop. Type: GTO/OS

Selection Cycle

-- (GIANT PLANETS) --SOLAR SYSTEM

1290 - "URANUS AND NEPTUNE BELOW 3000 A "

Keywords: URANUS, NEPTUNE, ATMOSPHERIC CHEMISTRY, AURORAE Proposers: John J. Caldwell (PI; York University; Canada)

Both these planets will be observed spectroscopically from 1515 to 2280 A to search for atmospheric absorption features, including such possible trace gas constituents as C2H2, and also for H2 auroral emission. For Neptune, the auroral search would be in the discovery mode. For Uranus, there are already indications from other wavelengths that there is an aurora there, and the HST observations will follow the Voyager encounter, so the Uranian observations will be to improve the understanding of an established phenomenon. A complementary ultraviolet image of Uranus will be obtained, to look for structure that may be associated with the reflection spectrum.

Prop. Type: GTO/OS

Selection Cycle : 87A

-- (COMETS) --SOLAR SYSTEM

1291 - "COMET HALLEY HYDROGEN CORONA "

Keywords : COMET HALLEY, HYDROGEN CORONA, LYMAN ALPHA Proposers: John J. Caldwell (PI; York University; Canada)

The red leak will be a major problem for most attempts at planetary imaging with the WF/PC using the Lyman alpha filter. However, for comets, the OAO-2 discovered a very extended corona consisting of atomic H. Thedetection was possible because of the strong Lyman alpha signal due to resonant scattering of the Solar feature at that wavelength. For comets, the red leak would grossly distort the image of the near-nuclear region, but will not effect the extended atmosphere very much. As comet Halley recedes in 1986-87, the HST should be uniquely able to monitor the final stages of its activity.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS) --1292 - "SURFACE COMPOSITION OF PLUTO/CHARON "

Keywords: PLUTO/CHARON, METHANE

Proposers: John J. Caldwell (PI; York University; Canada)

Pluto/Charon will be observed at both orbital elongations with the PC grism, to search CH4 absorptions features (undoubtedly from condensed CH4) on both. Previous spectroscopy from the ground has not been able to resolve the pair spatially, so that previous detections of CH4 features have been attributed to an average planet, not to the individual members of the pair.

A special orientation will be needed, so that the two spectra do not overlap on the objective grating field of view, forcing the observations to be made near geocentric Solar opposition, where constraints on the spacecr aft roll angle due to power concerns will be minimized. Differences in the spectral characteristics of the two surfaces should be very easy to detect if they exist.

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM

-- (GIANT PLANETS) --

1293 - "URANUS NEAR-INFRARED PROPERTIES "

Keywords : URANUS, ATMOSPHERIC STRUCTURE, METHANE

Proposers: John J. Caldwell (PI; York University; Canada)

Images of Uranus in both strong (8890A) and weak (4870A) CH4 continuum (8500 and 5550A) images will be combined with FOS s (4000-8000A) of selected areas on Uranus to determine the ver of condensed and gaseous CH4 in the atmosphere of that planet inhomogeneous radiative transfer calculations will be require data, because the sources of opacity will certainly vary with

Prop. Type: GTO/OS

Selection Cycle : 87A

SOLAR SYSTEM

1294 - "JC PARALLEL OBSERVATIONS "

Keywords:

Proposers: John J. Caldwell (PI; Suny, Stony Brook)

TWO CATEGORIES OF PARALLEL OBSERVATIONS ARE REQUESTED: 1) LYMAN ALPHA SKY IMAGES NEAR COMET HALLEY, FOR CALIBRATION OF SIMILAR IMAGES OF THE COMET ITSELF. 2) SPECTRA OF STARS THAT ARE BRIGHT IN THE ULTRAVIOLET, WHICH ARE ALREADY BEING OBSERVED BY THE HRS, AS THESE STARS ARE BEING OCCULTED BY THE ATMOSPHERE OF THE EARTH.

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Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (MAGELLANIC CLOUDS) --1295 - "PHOTOMETRY OF STARS IN OLD MAGELLANIC CLOUD CLUSTERS "

Keywords: OPEN CLUSTER--MAGELLANIC CLOUDS

Proposers: Ivan R. King (PI; Uc, Berkeley), R. Cannon (Royal Observatory,

Edinburgh; United Kingdom)

We will get accurate color-magnitude arrays that reach well below the main-sequence turnoff in three old clusters in the Magellanic Clouds, allowing detailed comparison with old clusters of different metal abundances in the Milky Way. Simultaneous exposures with the PC on fields in the Clouds will also determine the main-sequence turnoff for them.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1296 - "LOWER MAIN SEQUENCE AND WHITE DWARFS IN THE GLOBULAR CLUSTER NGC 6397 "

Keywords : GLOBULAR CLUSTERS -- WHITE DWARF -- LUMINOSITY FUNCTION

Proposers: Ivan R. King (PI; Uc, Berkeley), V. Castellani (Rome, University

Of: Italy)

We will do a 2-color photometry, as faint as the allotted time will allow. NGC 6397 has the smallest distance modulus (12.3) among globular clusters. We will have a significant color-magnitude array down almost to V absolute magnitude 14, including both red dwarfs and white dwarfs. Exposures will be made at the center and at two other points, in order to get overall luminosity functions, for which the radial distribution must be known. Simultaneous exposures with the WFC will be concentrated on a single outer field, to go to a deep limiting magnitude.

Prop. Type: GTO/WFC

Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) --

1297 - "HIGH-LATITUDE WF/PC PARALLEL SURVEY "

Keywords : DISTANT GALAXIES; GALAXY GROUPS; GALAXY EVOLUTION; ASTROMETRY;

PROPER MOTIONS; STAR COUNTS; POPULATION II; GALACTIC HALO; AGNS;

Proposers: James A. Westphal (PI; Caltech), J.Blades (Esa, Space Telescope

Science Institute), J.Dolan (Nasa, Goddard Space Flight Center), H.Ford (Space Telescope Science Institute), E.Groth Iii

(Princeton University), S. Maran (Nasa, Goddard Space Flight

Center), W. Van Altena (Yale University)

The WF/PC team has proposed two primary programs on the evolution of distant galaxies -- one a survey of distant clusters, the other a study of galaxy counts and colors to very deep levels in two fields. The parallel program described here directly supports these primary programs by providing a random comparison sample of galaxies in a large number of high-latitude fields. Galactic star counts and the structure of the Galactic halo will also be studied. The intention to carry out such a survey was described in the original WF/PC Team proposal. The planned exposures utilize the wide-field camera in parallel mode in fields above thirty degrees galactic latitude where another instrument is prime and observing a relatively small source. (Roughly 40 percent of all such high-latitude GTO parallel opportunities are devoted to the present proposal; the remainder are part of a high-latitude survey planned by the FOS team.) The expectation is that these fields will represent a fair sample of the universe and the Galactic halo.

Prop. Type: GTO/WFC

Selection Cycle

STELLAR POPULATIONS -- (NEARBY GALAXIES) --

1298 - "WFC PARALLEL LOCAL-GROUP AND NEARBY GALAXIES PROGRAM"

Keywords: STELLAR POPULATIONS; LOCAL GROUP HR DIAGRAMS; STAR FORMATION Proposers: James A. Westphal (PI; Caltech), J.Blades (Esa, Space Telescope

Science Institute), J.Dolan (Nasa, Goddard Space Flight Center),

H.Ford (Space Telescope Science Institute), E.Groth Iii (Princeton University), S.Maran (Nasa, Goddard Space Flight

Center), W. Van Altena (Yale University)

The WF/PC team has proposed an extensive primary program on stellar populations in nearby and Local Group galaxies. This parallel program directly supports these efforts and consists of observations that are similar to those in the primary programs. WF/PC images are taken in our standard filter set whenever another instrument is prime and is observing in a Local Group or other large nearby galaxy. The observations will be used to study the mass function, HR diagram, star formation history in these objects, with filters included to cover stars over a wide range in effective temperature.

Prop. Type: GTO/WFC

Selection Cycle : 87A

: 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --1299 - "WIDE-FIELD CAMERA PARALLEL GLOBULAR CLUSTER PROGRAM"

Keywords: STELLAR POPULATIONS, GLOBULAR CLUSTERS, POPULATIONS II, WHITE DWARFS.

Proposers: James A. Westphal (PI; Caltech), J.Blades (Esa, Space Telescope Science Institute), J.Dolan (Nasa, Goddard Space Flight Center), H.Ford (Space Telescope Science Institute), E.Groth Iii

(Princeton University), S.Maran (Nasa, Goddard Space Flight

Center), W. Van Altena (Yale University)

The WF/PC team has proposed an extensive primary program on the stellar content and structure of Galactic globular clusters. This parallel program directly supports these efforts and consists of images in the exterior regions of clusters, taken in a manner similar to those of the primary program.. WF/PC images are obtained in a standard filter set whenever another instrument is prime and is observing in a Galactic globular cluster. The observations will be used to study luminosity function, white dwarf content, and mass segregation in the outer parts of the clusters. The images will also provide first-epoch frames for future proper-motion studies of stars in globular clusters.

Prop. Type: GTO/WFC

Selection Cycle

: 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) -
1300 - "WIDE-FIELD CAMERA PARALLEL OUTSKIRTS OF NEARBY GALAXIES PROGRAM "

Keywords: STELLAR POPULATIONS, GLOBULAR CLUSTERS, GALAXIES, GALAXY HALOS

Proposers: James A. Westphal (PI; Caltech), J.Blades (Esa, Space Telescope

Science Institute), J.Dolan (Nasa, Goddard Space Flight Center),

H.Ford (Space Telescope Science Institute), E.Groth Iii

(Princeton University), S.Maran (Nasa, Goddard Space Flight Center), W.Van Altena (Yale University)

Parallel images with the WF/PC are proposed to augment and amplify primary observations of globular clusters and stars in nearby galaxies. The galaxies in the present proposal have angular sizes that are small compared to the angular separation between the WF/PC and the prime observing instrument. The fields are thus expected to lie off the disk regions and in the outer halos of the objects. The choice of filters is tailored to the cool stars and globular clusters that are expected to dominate in these regions. (Larger galaxies, in which a significannt population of young stars may be found in the WF/PC field, are treated in a separate parallel proposal.) The images will be used to study the luminosity function of stars on the evolved giant branch and the properties of globular clusters

Prop. Type: GTO/FOS Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) -- 1301- LT - "FOS HIGH LATITUDE WF/PC PARALLEL SURVEY "

as a function of galactocentric radius.

Keywords: GALAXY CLUSTERS, SUPERCLUSTERS OF GALAXIES, EXTRAGALATIC

GLOBULAR CLUSTERS, EXTRAGALACTIC NOVAE, EXTRAGALACTIC HALO STARS

Proposers: Richard J. Harms (PI; Applied Research Corporation), J.Blades

(Esa, Space Telescope Science Institute), J.Dolan (Nasa, Goddard

Space Flight Center), H.Ford (Space Telescope Science Institute), E.Groth Iii (Princeton University), J.Gunn (Princeton University), S.Maran (Nasa, Goddard Space Flight

Center), W. Van Altena (Yale University)

Most of the FOS GTO primary observations are aimed at studying active galactic nuclei (AGN). However, spectroscopic observations are not only useful method for understanding these objects. WF/PC (and FOC) pictures can be used to identify any close companions to these objects, determine whether or not the AGN are in clusters or superclusters, and to search for foreground galaxies that could be responsible for the aborption lines seen in QSOs. WF/PC (and FOC) pictures can also be used to study the content of nearby galaxies, again a main part of the FOS primary program. These pictures can be use to identify globular clusters, search for novae, and also resolve individual red gaints in the halos of these galaxies.

Prop. Type: GTO/FOC

Selection Cycle

: 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

1302 - "PARALLEL FOC OBSERVATIONS IN GLOBULAR CLUSTERS "

Keywords : GLOBULAR CLUSTER

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), J.Blades (Esa, Space Telescope Science Institute),

J.Dolan (Nasa, Goddard Space Flight Center), H.Ford (Space

Telescope Science Institute), E.Groth Iii (Princeton

University), J.Gunn (Princeton University), S.Maran (Nasa, Goddard Space Flight Center), W. Van Altena (Yale University)

During the time when any other SI is pointed at a globular cluster for one dark period or longer, the FOC is used in B and V (and in U, if the time is long enough) to get a faint color-magnitude array in the outer parts of the cluster. This program is complementary to a large portion of FOC primary science which deals with population studies in a variety of objects.

Prop. Type: GTO/FOC

Selection Cycle : 87A

STELLAR POPULATIONS -- (NEARBY GALAXIES) --1303 - "PARALLEL FOC OBSERVATIONS IN STELLAR POPULATION FIELDS "

Keywords : LOCAL GROUP, STELLAR POPULATION

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science

Institute), J.Blades (Esa, Space Telescope Science Institute),

J. Dolan (Nasa, Goddard Space Flight Center), H. Ford (Space

Telescope Science Institute), E. Groth Iii (Princeton

University), J.Gunn (Princeton University), S.Maran (Nasa, Goddard Space Flight Center), W. Van Altena (Yale University)

During the time when any other SI is pointed anywhere in a Local-Group or other very nearby galaxy for one dark period or longer, the FOC is used in B and V (and in U, if the time is long enough) to study the stellar population in the part of that galaxy where the exposure falls. This program is complementary to a number of FOC primary proposals to do similar science in primary mode.

Prop. Type: GTO/FOS

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --

1304 - "PARALLEL FOC OBSERVATIONS IN NEARBY GALAXIES "

Keywords: NEARBY GALAXY, GLOBULAR CLUSTER, NOVA, STELLAR POPULATIONS

Proposers: Richard J. Harms (PI; Applied Research Corporation), J.Blades (Esa, Space Telescope Science Institute), J.Dolan (Nasa, Goddard

Space Flight Center), H.Ford (Space Telescope Science

Institute), E.Groth Iii (Princeton University), J.Gunn (Princeton University), S.Maran (Nasa, Goddard Space Flight

Center), W. Van Altena (Yale University)

FOC parallel images can be used to study the contents of nearby galaxies, a main part of the FOS primary program. Two uses for these images are identification of globular clusters and a search for novae.

Prop. Type: GTO/AST Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) -- 1305- LT - "OBSERVATIONS OF THE Z-MOTIONS IN THE GALAXY"

Keywords: PROPER MOTIONS, Z-VELOCITIES, GALACTIC STRUCTURE, DISK MASS,

BINARY STAR

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict

(Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P.Hemenway (Texas, University Of), P.Shelus (Texas,

University Of)

These exposures constitute the first epoch observations for an investigation of the motions perpendicuar to the plane of the Galaxy of stars lying within a cylinder centered on the sun having a radius of 10 kpc and a height of +/-5 kpc. All of the first epoch observations will be made in the parallel mode with the Wide Field or Planetary Camera in cases where the primary observation is at least as long as 45 minutes. This exposure time will enable us to obtain a 20 minute exposure in both the V and R passbands. We plan to repeat the observations after a time interval of five years, which should yield proper motions with an accuracy of 0.0002 "/yr, or 9.5 km/sec at a distance of 10 kpc. Since the local velocity dispersion perpendicular to the galatic plane is about 30 km/sec, we should be able to accurately study the z-motions of stars from the galactic center out to the outer edge of the Galaxy. The result of this analysis will be a determination of th mass density in the disk of the Galaxy over an area of about 3x10dex-8 pc2. Since the observations will extend to at least +/-5 kpc from the galactic plane, the velocity profiles should yield the complete mass distribution of the disk and may provide some information on the thick disk. The first epoch observations will be examined as they are taken to study the frequency distribution of multiple stars from the resolution of the ST to angular separations of about 2".

Prop. Type: GTO/HRS Selection Cycle : 87A

STELLAR POPULATIONS -- (DIFFUSE MATTER) -1306 - "PARALLEL MODE IMAGING INVESTIGATIONS OF FIELDS AT LOW GALACTIC
LATITUDES"

Keywords: INTERSTELLAR MEDIUM, VISUAL BINARIES, MASS LOSS

Proposers: Frederick M. Walter (PI; Colorado, University Of), J.Blades

(Esa, Space Telescope Science Institute), J.Brandt (Nasa, Goddard Space Flight Center), J.Dolan (Nasa, Goddard Space Flight Center), H.Ford (Space Telescope Science Institute), F. Coath Tii (Princette University), J. Coath Tii (Princ

E.Groth Iii (Princeton University), J.Gunn (Princeton University), S.Heap (Nasa, Goddard Space Flight Center),

J. Hutchings (Dominion Astrophysical Observatory; Canada), S.Maran (Nasa, Goddard Space Flight Center), W. Van Altena (Yale University)

We propose a series of parallel mode observations with the WF/PC as an adjunct to the HRS GTO observing program. This imaging data will be used to study variations in galactic extinction on small angular scales, the luminosity function of very low mass stars, to look for nebulosity about late type giants and pre-main sequence stars to study mass loss, and to search for visual binaries with sub-arc second separations.

Prop. Type: GTO/FOC Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) --1307 - "FOC IDT PARALLEL OBSERVATIONS PROGRAMS "

Keywords : ULTRAVIOLET SURVEY - FAR UV OBJECTIVE PRISM - IMAGING

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science Institute)

The aim of this programme is to carry out parallel observations using both the FOC far-ultraviolet objective prism and selected filters in the F/48, 44 x 44 arcsecdex2, wide-field configuration of the FOC. The major thrust of our programme is the objective-prism survey: our purpose is to detect and classify ultraviolet sources, including completely new classes of astronomical objects that we expect to find in our images. We shall also carry out imaging through several of the FOC filters to help in the analysis of the objective-prism survey and complement many of the FOC IDT prime programmes, especially our stellar population, galaxy halos and QSO studies. Our parallel programme will allow statistics to be amassed on the UV emission properties of field objects including both galactic stars and external galaxies. This programme will support the following prime programmes (STScI numbers): 1234, 1237, 1239, 1260, 1263, 1265 and 1267, amongst others, and is directly related to the scientific interests of the IDT.

Prop. Type: GTO/HSP Selection Cycle : 87A

> QUASARS AGN -- (GRAVITATIONAL LENSES) --

1391- LT - "GRAVITATIONAL LENSES - PART II "

Keywords: GRAVITATIONAL LENSES; BLACK HOLES; HUBBLE CONSTANT Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science Institute)

Photometric and polarimetric observations will be made of systems whose properties are ascribed to the effect of a gravitational lens. The similarity of the images in the previously unobserved UV region of the spectrum, both photometrically and polarimetrically, is necessary for these

objects to be gravitational lens systems; any differences found will be carefully studied to determine what constraints they put on the system. Systems whose properties appear consistent with a point mass deflector (i.e., a black hole) will be monitored to determine whether photometric or polarimetric variablity exists in the images. The distance to the deflecting mass in this case can be related to the path length difference between the two image paths from the imaged quasar to the observer. The path length difference can be derived directly from the time difference between the same variation occurring in each image. The parallaxes of objects at E+3 Mpc distances are of obvious importance to a wide variety of cosmological studies. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Fixed syntax - SALM 9/14/89; Various Small Changes - Dolan 9/27/89; Reduce cycle 1 visits on QS00023+171, coarse track - SALM 2/16/90; Add 1 visit for QS00023+171 - SALM 2/22/90 Move QS00023+171 to cycle 2 - SALM 3/20/90

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) --

1394- LT - "PARALLAXES OF HYADES CLUSTER MEMBERS "

Keywords: HYADES, DISTANCE SCALE, POP I, PARALLAXES, PROPER MOTIONS Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R. Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P.Hemenway (Texas, University Of), P.Shelus (Texas, University Of)

The goal of this project is to determine trigonometric parall Hyades cluster members and to define the Population I zero ag The ZAMS is used to determine the distances to open clusters the zero point of the Cepheid Period-Luminosity relationship, fundamental distance indicator in the universe. A secondary g project is to search for new Hyades cluster members which mig the 25th magnitude, or M(v)=22. This part of the project will through coordinated parallel observations with the WFC to det motions of very faint stars over a one year base line. FGS parallax observations of the thirteen Hyades members shou in the distance modulus of the Hyades Cluster good to approxi This accuracy should be sufficient to eliminate the Hyades as in determining the galactic distance scale.

Prop. Type: GTO/AST

Selection Cycle

: 87A

QUASARS AGN -- (ASTROMETRY) -- 1475- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PART TWO OF FIVE

- PROPOSAL 1475 (WFPC OBSERVATIONS)"

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTÉRNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin),

J. Westphal (California Institute Of Technology)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs, and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/AST Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) -1532- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PART THREE OF
FIVE - PROPOSAL 1532 (FGS OBSERVATIONS)"

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTERNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs, and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/AST Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) -1570- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PART FOUR OF FIVE
- PROPOSAL 1570 (FGS OBSERVATIONS)"

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTERNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs, and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/AST Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) --

1571- LT - "EXTRAGALACTIC ASTROMETRY AND ASTROPHYSICS - AST/PC PART FIVE OF FIVE - PROPOSAL 1571 (FGS OBSERVATIONS)"

Keywords: QUASARS, BL LACS, AGNS, HIPPARCOS, REFERENCE FRAMES FUNDAMENTAL

ASTROMETRY, QUASAR INTERNAL MOTION

Proposers: William H Jefferys (PI; University Of Texas At Austin)

The goal of this project is the determination of the rotation of the HIPPARCOS Reference Frame with respect to an Extragalactic Frame. The program will derive the internal optical motions of extragalactic objects (QSOs, BL Lacs, AGNs) at the +/- 0.002 arcsecond per year level of accuracy. 160 SAO stars within the FGSFOV of all selected QSOs, BL Lacs, and AGNs are included in the HIPPARCOS catalog. Ground based speckle observations have been used to pre-detect doubles which would cause problems for the FGS. The FGSs will measure the relative positions of SAO stars with respect to objects brighter than 17 mag. Fainter objects will be observed with the WFPC and FGS together. The objects have been selected in conjunction with the recommendations of the IAU working group in Radio/Optical Identifications, and have been selected for compactness and intensity. Most of the objects are recommended as ultimate position calibrators.

Prop. Type: GTO/AST

Selection Cycle

: 87A

STELLAR POPULATIONS -- (
2929- LT - "PARALLAXES OF ASTROPHYSICALLY INTERESTING OBJECTS PART ONE" Keywords: PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS -- (

2930- LT - "PARALLAXES OF ASTROPHYSICALLY INTERESTING OBJECTS PART TWO" Keywords: PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Prop. Type: GTO/AST

Selection Cycle

: 87A

STELLAR POPULATIONS -- (

2931- LT - "PART THREE "

Keywords : PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict

(Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS -- (

2932- LT - "PARALLAXES OF ASTROPHYSICALLY INTERESTING OBJECTS PART FOUR"

Keywords: PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict

(Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Selection Cycle

: 87A

STELLAR POPULATIONS -- (

2933- LT - "PARALLAXES OF ASTROPHYSICALLY INTERESTING OBJECTS PART FIVE" Keywords: PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI
Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict
(Texas, University Of), R.Duncombe (Texas, University Of),

O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS -- (

2934- LT - "PARALLAXES OF ASTROPHYSICALLY INTERESTING OBJECTS PART SIX" Keywords: PARALLAX, PLANETARY NEBULA, DWARF NOVA, PECULIAR STAR,

CATACLYSMIC VARIABLE, T TAURI
Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R. Duncombe (Texas, University Of),

O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

Parallaxes of astrophysically interesting objects are propose objects are planetary nebulae, dwarf novae, peculiar stars, c variables, and T Tauri flare stars. Most of the objects propl study of stellar evolution where absolute fluxes are required can only be estimated because accurate distances are not avai is Feige 24, a hot white dwarf with x ray emission whose dist by various authors to be between 60 pc and 150 pc. A special observing sequence is required.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

2935- LT - "UNSEEN AND PLANETARY COMPANIONS PART ONE "

Keywords: UNSEEN COMPANIONS, PLANETRAY COMPANIONS, BLACK DWARFS Proposers: William H. Jefferys (PI; University Of Texas At Austin),

G.Benedict (University Of Texas), R.Duncombe (University Of Texas), O.Franz (Lowell Observatory), L.Fredrick (University Of Virginia), P.Hemenway (University Of Texas), P.Shelus

(University Of Texas)

With observations using the Hubble Space Telescope (HST) we intend to initiate a systematic search for variable proper motion objects in an attempt to discover very low mass objects in orbit around red dwarfs. Using well established astrometric methods we will secure accurate relative positional measurements for selected objects over very long intervals of time looking for systematic perturbations to rectilinear motion. Within the Astrometric Data Reduction System (SDAS), such perturbations will be extracted and reduced further to provide the relevant mass and orbital parameters of the composents. The HST is an instrument, the engineering specifications of which, open up the opportunity to extend this astrometric discipline far beyond the present bounds of ground-based and other observations.

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2936- LT - "UNSEEN AND PLANETARY COMPANIONS PART TWO "

Keywords: UNSEEN COMPANIONS, PLANETRAY COMPANIONS, BLACK DWARFS Proposers: William H. Jefferys (PI; University Of Texas At Austin),

G.Benedict (University Of Texas), R.Duncombe (University Of Texas), O.Franz (Lowell Observatory), L.Fredrick (University Of

Virginia), P.Hemenway (University Of Texas), P.Shelus

(University Of Texas)

With observations using the Hubble Space Telescope (HST) we intend to initiate a systematic search for variable proper motion objects in an attempt to discover very low mass objects in orbit around red dwarfs. Using well established astrometric methods we will secure accurate relative positional measurements for selected objects over very long intervals of time looking for systematic perturbations to rectilinear motion. Within the Astrometric Data Reduction System (SDAS), such perturbations will be extracted and reduced further to provide the relevant mass and orbital parameters of the composents. The HST is an instrument, the engineering specifications of which, open up the opportunity to extend this astrometric discipline far beyond the present bounds of ground-based and other observations.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

2937- LT - "UNSEEN AND PLANETARY COMPANIONS PART THREE "

Keywords: UNSEEN COMPANIONS, PLANETRAY COMPANIONS, BLACK DWARFS Proposers: William H. Jefferys (PI; University Of Texas At Austin),

G.Benedict (University Of Texas), R.Duncombe (University Of Texas), O.Franz (Lowell Observatory), L.Fredrick (University Of

Virginia), P.Hemenway (University Of Texas), P.Shelus

(University Of Texas)

With observations using the Hubble Space Telescope (HST) we intend to initiate a systematic search for variable proper motion objects in an attempt to discover very low mass objects in orbit around red dwarfs. Using well established astrometric methods we will secure accurate relative positional measurements for selected objects over very long intervals of time looking for systematic perturbations to rectilinear motion. Within the Astrometric Data Reduction System (SDAS), such perturbations will be extracted and reduced further to provide the relevant mass and orbital parameters of the composents. The HST is an instrument, the engineering specifications of which, open up the opportunity to extend this astrometric discipline far beyond the present bounds of ground-based and other observations.

Prop. Type: GTO/AST Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2938- LT - "UNSEEN AND PLANETARY COMPANIONS PART FOUR "

Keywords: UNSEEN COMPANIONS, PLANETRAY COMPANIONS, BLACK DWARFS Proposers: William H. Jefferys (PI; University Of Texas At Austin), G.Benedict (University Of Texas), R.Duncombe (University Of

Texas), O.Franz (Lowell Observatory), L.Fredrick (University Of

Virginia), P.Hemenway (University Of Texas), P.Shelus

(University Of Texas)

With observations using the Hubble Space Telescope (HST) we intend to initiate a systematic search for variable proper motion objects in an attempt to discover very low mass objects in orbit around red dwarfs. Using well established astrometric methods we will secure accurate relative positional measurements for selected objects over very long intervals of time looking for systematic perturbations to rectilinear motion. Within the Astrometric Data Reduction System (SDAS), such perturbations will be extracted and reduced further to provide the relevant mass and orbital parameters of the composents. The HST is an instrument, the engineering specifications of which, open up the opportunity to extend this astrometric discipline far beyond the present bounds of ground-based and other observations.

Selection Cycle

: 87A

SOLAR SYSTEM

2939- LT - "HIGH SPEED ASTROMETRY - A SEARCH FOR PLANETARY COMPANIONS TO LOW-MASS STARS PART ONE"

Keywords: FINE GUIDANCE SENSORS, FGS, STELLAR COMPANIONS, EXTRASOLAR

PLANETS

Proposers: William H. Jefferys (PI; University Of Texas), G.Benedict

(University Of Texas), R.Duncombe (University Of Texas), O.Franz

(Lowell Observatory), L. Fredrick (University Of Virginia),

P. Hemenway (University Of Texas), P. Shelus (University Of Texas)

We propose to test the hypothesis that jupiter-like planets are formed at distances from the primary dictated by the 'freezing' temperature of the volatiles which comprise jovian planets. Predicted periods for jovian planets orbiting this sample of very late-type, low-mass stars range from 70 to 160 days. We shall monitor the positions of these nearby late-M stars with a time-resolution of 4 to 10 days in an attempt to detect positional perturbations caused by possible jovian companions. Detection limits for these proposed targets lie between 0.4 and one Jupiter mass.

Prop. Type: GTO/AST

Selection Cycle : 87A

SOLAR SYSTEM

2941- LT - "HIGH SPEED ASTROMETRY - A SEARCH FOR PLANETARY COMPANIONS TO

LOW-MASS STARS PART THREE"

Keywords: FINE GUIDANCE SENSORS, FGS, STELLAR COMPANIONS, EXTRASOLAR

PLANETS

Proposers: William H. Jefferys (PI; University Of Texas), G.Benedict

(University Of Texas), R.Duncombe (University Of Texas), O.Franz

(Lowell Observatory), L. Fredrick (University Of Virginia),

P. Hemenway (University Of Texas), P. Shelus (University Of Texas)

We propose to test the hypothesis that jupiter-like planets are formed at distances from the primary dictated by the 'freezing' temperature of the volatiles which comprise jovian planets. Predicted periods for jovian planets orbiting this sample of very late-type, low-mass stars range from 70 to 160 days. We shall monitor the positions of these nearby late-M stars with a time-resolution of 4 to 10 days in an attempt to detect positional perturbations caused by possible jovian companions. Detection limits for these proposed targets lie between 0.4 and one Jupiter mass.

Selection Cycle

: 87A

SOLAR SYSTEM

2942- LT - "HIGH SPEED ASTROMETRY - A SEARCH FOR PLANETARY COMPANIONS TO LOW-MASS STARS PART FOUR"

Keywords: FINE GUIDANCE SENSORS, FGS, STELLAR COMPANIONS, EXTRASOLAR

PLANETS

Proposers: William H. Jefferys (PI; University Of Texas), G.Benedict

(University Of Texas), R.Duncombe (University Of Texas), O.Franz

(Lowell Observatory), L. Fredrick (University Of Virginia),

P. Hemenway (University Of Texas), P. Shelus (University Of Texas)

We propose to test the hypothesis that jupiter-like planets are formed at distances from the primary dictated by the 'freezing' temperature of the volatiles which comprise jovian planets. Predicted periods for jovian planets orbiting this sample of very late-type, low-mass stars range from 70 to 160 days. We shall monitor the positions of these nearby late-M stars with a time-resolution of 4 to 10 days in an attempt to detect positional perturbations caused by possible jovian companions. Detection limits for these proposed targets lie between 0.4 and one Jupiter mass.

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS --- (

2943- LT - "INTERNAL VELOCITY DISTRIBUTION IN GLOBULAR CLUSTERS PART ONE" Keywords: GLOBULAR CLUSTERS, PROPER MOTIONS, INTERNAL VELOCITIES Proposers: William H. Jefferys (PI; Texas, University Of), G. Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P.Hemenway (Texas, University Of), P.Shelus (Texas, University Of)

The goal of this project is to study the internal velocity di globular clusters with a range of characteristics. We expect virial mass for each cluster and a kinematic distance (statis where radial velocity observations exist. The radial and azim of the velocity distribution will be analyzed to determine th anisotropy in the velocities as a function of distance from t for three of the clusters. In addition, the degree to which e energy exists among the various mass groupings will be studie giants down to one-half solar mass in three of the clusters. The observations are designed to yield an accuracy of +/- 1 k derived cluster velocity dispersion at each location in the c nearer clusters and +/- 2 km/sec for the more distant cluster

Selection Cycle

87A

STELLAR POPULATIONS -- (
2944- LT - "INTERNAL VELOCITY DISTRIBUTION IN GLOBULAR CLUSTERS PART TWO"
Keywords: GLOBULAR CLUSTERS, PROPER MOTIONS, INTERNAL VELOCITIES

Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P.Hemenway (Texas, University Of), P.Shelus (Texas,

University Of)

The goal of this project is to study the internal velocity di globular clusters with a range of characteristics. We expect virial mass for each cluster and a kinematic distance (statis where radial velocity observations exist. The radial and azim of the velocity distribution will be analyzed to determine th anisotropy in the velocities as a function of distance from t for three of the clusters. In addition, the degree to which e energy exists among the various mass groupings will be studie giants down to one-half solar mass in three of the clusters. The observations are designed to yield an accuracy of +/-1 k derived cluster velocity dispersion at each location in the c nearer clusters and +/-2 km/sec for the more distant cluster

Prop. Type: GTO/AST

Selection Cycle

87A

STELLAR POPULATIONS -- (

2945- LT - "INTERNAL VELOCITY DISTRIBUTION IN GLOBULAR CLUSTERS PART THREE"

Keywords: GLOBULAR CLUSTERS, PROPER MOTIONS, INTERNAL VELOCITIES Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict

(Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

The goal of this project is to study the internal velocity di globular clusters with a range of characteristics. We expect virial mass for each cluster and a kinematic distance (statis where radial velocity observations exist. The radial and azim of the velocity distribution will be analyzed to determine th anisotropy in the velocities as a function of distance from t for three of the clusters. In addition, the degree to which e energy exists among the various mass groupings will be studie giants down to one-half solar mass in three of the clusters. The observations are designed to yield an accuracy of +/- 1 k derived cluster velocity dispersion at each location in the c nearer clusters and +/- 2 km/sec for the more distant cluster

Selection Cycle

87A

STELLAR POPULATIONS 2946- LT - "INTERNAL VELOCITY DISTRIBUTION IN GLOBULAR CLUSTERS PART FOUR" Keywords: GLOBULAR CLUSTERS, PROPER MOTIONS, INTERNAL VELOCITIES Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of),

O.Franz (Lowell Observatory), L.Fredrick (Virginia, University

Of), P. Hemenway (Texas, University Of), P. Shelus (Texas,

University Of)

The goal of this project is to study the internal velocity di globular clusters with a range of characteristics. We expect virial mass for each cluster and a kinematic distance (statis where radial velocity observations exist. The radial and azim of the velocity distribution will be analyzed to determine th anisotropy in the velocities as a function of distance from t for three of the clusters. In addition, the degree to which e energy exists among the various mass groupings will be studie giants down to one-half solar mass in three of the clusters. The observations are designed to yield an accuracy of +/-1 k derived cluster velocity dispersion at each location in the c nearer clusters and +/- 2 km/sec for the more distant cluster

Prop. Type: GTO/AST

Selection Cycle : 87A

STELLAR POPULATIONS -- (

2947- LT - "INTERNAL VELOCITY DISTRIBUTION IN GLOBULAR CLUSTERS PART FIVE" Keywords : GLOBULAR CLUSTERS, PROPER MOTIONS, INTERNAL VELOCITIES Proposers: William H. Jefferys (PI; Texas, University Of), G.Benedict (Texas, University Of), R.Duncombe (Texas, University Of), O.Franz (Lowell Observatory), L.Fredrick (Virginia, University Of), P. Hemenway (Texas, University Of), P. Shelus (Texas, University Of)

The goal of this project is to study the internal velocity di globular clusters with a range of characteristics. We expect virial mass for each cluster and a kinematic distance (statis where radial velocity observations exist. The radial and azim of the velocity distribution will be analyzed to determine th anisotropy in the velocities as a function of distance from t for three of the clusters. In addition, the degree to which e energy exists among the various mass groupings will be studie giants down to one-half solar mass in three of the clusters. The observations are designed to yield an accuracy of +/- 1 k derived cluster velocity dispersion at each location in the c nearer clusters and +/- 2 km/sec for the more distant cluster

Prop. Type: GTO/HSP

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

2952 - "X-RAY BINARIES "

Keywords: X-RAY BINARIES: NEUTRON STARS: BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The extreme conditions existing in the near vicinity of neutron stars which are the secondaries in close binaries provide a laboratory in which we may observationally confirm or refine many of our basic theories of astrophysics. This program will monitor the photometric and polarimetric light curves of X-ray binaries at several different phases of the binary orbit in several different wavelength bands in the UV. The results will be related to the structure of, and physical conditions existing in, the gas streams (and possibly, the accretion disk) in these systems. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs corrected - SALM 9/12/89 Gyros and other changes -Dolan 9/29/89

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2953 - "REMNANT STARS IN SUPERNOVA REMNANTS "

Keywords: SUPERNOVA REMNANTS; NEUTRON STARS

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The low frequency of occurrence of identified neutron stars located in supernova remnants (SNR's) is an unexplained embarassment to our generally accepted theories of stellar evolution and neutron star formation. We propose to search recent SNR's for any remnant star associated with them, and to study the photometric variability of known examples of neutron stars which are remnants of supernovae. The results will place important constraints on the mechanisms by which neutron stars originate. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; fixed small syntax err - SALM 9/12/89 Various small changes - Dolan 9/27/89

Prop. Type: GTO/FOC

Selection Cycle

: 87A

QUASARS AGN 2956 - "STUDY OF OPTICAL EMISSION ASSOCIATED WITH RADIO JETS AND HOT SPOTS "

Keywords: AGN, RADIOEMISSION, JETS

Proposers: F. Duccio Macchetto (PI; Esa, Space Telescope Science Institute), P.Crane (European Southern Observatory; Germany,

West), G.Miley (Space Telescope Science Institute)

ST is uniquely equipped to detect optical emission from synchroton jets and to study the interaction of jets with their environment. Here we outline a program of broad and narrow band imaging and limited slit spectroscopy on carefully selected samples of objects designed to exploit ST for these purposes. The aims are to study the following: -morphological relations between radio and optical emission. -optical and UV counterparts of radio jets and hot spots to derive information on particle acceleration mechanisms. -interactions between synchroton jets and in the ambient gas, to use each as a unique probe of the physical conditions within the other. -possible relationship between the propagation of radio jets and star formation.

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2958 - "X-RAY BINARIES PART 2 "

Keywords: X-RAY BINARIES: NEUTRON STARS: BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation), R. White (Space Telescope Science

Institute)

The extreme conditions existing in the near vicinity of neutron stars which are the secondaries in close binaries provide a laboratory in which we may observationally confirm or refine many of our basic theories of astrophysics. This program will monitor the photometric and polarimetric light curves of X-ray binaries at several different phases of the binary orbit in several different wavelength bands in the UV. The results will be related to the structure of, and physical conditions existing in, the gas streams (and possibly, the accretion disk) in these systems. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs corrected - SALM 9/12/89 Gyros and other changes -Dolan 9/29/89; Move GX339-4 to cycle2, reduce repeats to 4 every 0.93D, coarse track - SALM 2/15/90; Condense POL observations - SALM 2/22/90; Move GX339-4 A0538-66 to cycle2 - SALM 3/20/90

Prop. Type: GTO/HSP

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2959 - "X-RAY BINARIES PART 3 "

Keywords: X-RAY BINARIES: NEUTRON STARS: BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa, Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters

(National Science Foundation), R. White (Space Telescope Science

Institute)

The extreme conditions existing in the near vicinity of neutron stars which are the secondaries in close binaries provide a laboratory in which we may observationally confirm or refine many of our basic theories of astrophysics. This program will monitor the photometric and polarimetric light curves of X-ray binaries at several different phases of the binary orbit in several different wavelength bands in the UV. The results will be related to the structure of, and physical conditions existing in, the gas streams (and possibly, the accretion disk) in these systems. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs corrected - SALM 9/12/89 Gyros and other changes -Dolan 9/29/89; Move GX339-4 to cycle2, reduce repeats to 4 every 0.93D, coarse track - SALM 2/15/90; Condense POL observations - SALM 2/22/90; Move GX339-4 A0538-66 to cycle2 - SALM 3/20/90

Prop. Type: GTO/HSP Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2960 - "X-RAY BINARIES PART 4 "

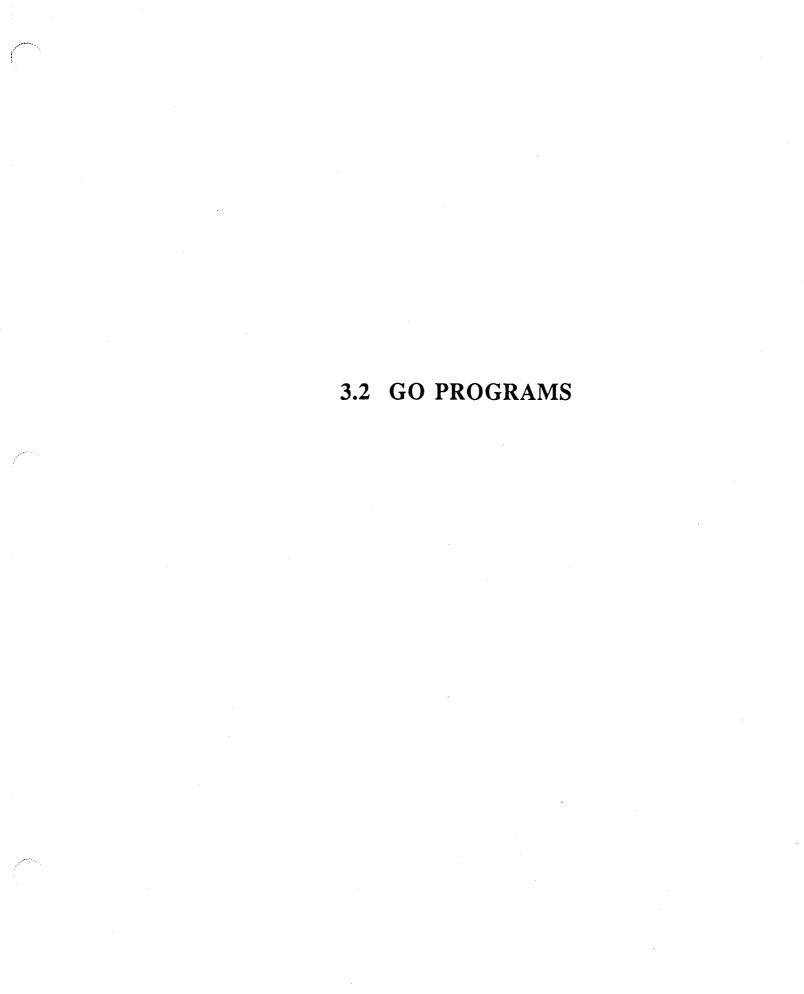
Keywords: X-RAY BINARIES: NEUTRON STARS: BLACK HOLES

Proposers: Robert C. Bless (PI; Wisconsin, University Of), J.Dolan (Nasa,

Goddard Space Flight Center), J.Elliot (Massachusetts Institute Of Technology), E.Robinson (Texas, University Of), G.Van Citters (National Science Foundation), R. White (Space Telescope Science

Institute)

The extreme conditions existing in the near vicinity of neutron stars which are the secondaries in close binaries provide a laboratory in which we may observationally confirm or refine many of our basic theories of astrophysics. This program will monitor the photometric and polarimetric light curves of X-ray binaries at several different phases of the binary orbit in several different wavelength bands in the UV. The results will be related to the structure of, and physical conditions existing in, the gas streams (and possibly, the accretion disk) in these systems. Revision History: Received on RPS 9/1/89; Added to SCCS 9/5/89 RPSS V7.2 remote local; Small syntax errs corrected - SALM 9/12/89 Gyros and other changes -Dolan 9/29/89; Move GX339-4 to cycle2, reduce repeats to 4 every 0.93D, coarse track - SALM 2/15/90; Condense POL observations - SALM 2/22/90; Move GX339-4 A0538-66 to cycle2 - SALM 3/20/90



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KEY:

SEMESTER "87A" is the selection cycle following TAC review in April 1989 (reasons are historical)

KP = Key Project LP = Large Project LT = Long Term Program

CT = Continuation Program

GO/DD = GO at Director's Discretion

GO/AM = Amateur Program

Prop. Type: GO

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (X-RAY BINARIES) -2004 - "OBSERVATION OF CYCLOTRON LINES IN THE ULTRAVIOLET SPECTRUM OF THE X-RAY
SOURCE 4U0115+63"

Keywords: CYCLOTRON LINES, X-RAY SOURCE

Proposers: Krishna M. V. Apparao (PI; Tata Institute Of Fundamental

Research; India), S.Chitre (Tata Institute Of Fundamental Research; India), S.Tarafdar (Tata Institute Of Fundamental

Research; India)

X-ray lines have been observed in the x-ray spectrum of the source 4U0115+63. The source has been identified as a 14 magnitude Be star. The X-ray lines have been identified as electron fundamental cyclotron line and its first harmonic. Apparoa and Chitre calculated the intensity of the proton and the helium cyclotron lines from this source. The helium cyclotron lines occur in the Ultraviolet and it is proposed that these be observed.

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) --

2009 - "MASS LOSS IN LUMINOUS GLOBULAR CLUSTER STARS " Keywords: STARS, POPULATION II, GIANTS, MASS LOSS

Proposers: Erika Bohm-Vitense (PI; Washington, University Of)

We want to study the mass loss for stars at the tip of the red giant branch in globular clusters. It is well known that red giant stars in globular clusters need to lose mass in order to become blue horizontal branch stars. While we do not yet understand the mass loss mechnism we suspect that it takes place at the tip of the red giant branch where the gravitational binding of the atmospheric layers becomes small. Gratton, Pilachowski and Sneden (1984) find a correlation between H-alpha emission being observed for luminous stars on the red giant branch in globular clusters and the existence of a blue horizontal branch. We therefore suspect that mass loss and H-alpha emission are correlated. We want to check this by observing the Mg II line profiles at 2800 A in order to see whether "blue" shifted absorption components can be seen which are indicative of a strong mass loss and whether this mass loss, if present, is correlated with H-alpha emission and with the existence of a blue horizontal branch.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (NEUTRON STARS) --2014 - "ULTRAVIOLET AND OPTICAL RADIATION FROM NEAREST RADIO PULSARS "

Keywords: NEUTRON STAR, PULSAR, SURFACE, PHOTOMETRY, UV, OPTICAL,

LUMINOSITY, TEMPERATURE

Proposers: George G. Pavlov (PI; Ioffe Physico-Technical Institute, Pulkovo

Observatory; Ussr), Y. Gnedin (Pulkovo Observatory; Ussr)

EVEN OLD NEUTRON STARS WITHIN A FEW HUNDRED PARSECS MAY GIVE DETECTABLE UV AND OPTICAL FLUX EITHER VIA THERMAL RADIATION OR RADIATION FROM RELATIVISTIC PARTICLES IN RADIO PULSARS. WE PROPOSE TO MAKE PHOTOMETRIC OBSERVATIONS OF THE NEAREST THREE PULSARS PSR 1929+10, PSR 0950+08 AND PSR 1133+16 WHICH LIE AT DISTANCES OF 80,90 AND 150 PARSECS RESPECTIVELY. THE RESULTS WILL BE USED TO EVALUATE THE BLACKBODY TEMPERATURES OF NEUTRON STARS OR OBTAIN ADDITIONAL CONSTRAINTS ON RADIO PULSAR MODELS.

: 87A

Prop. Type: GO

Selection Cycle

GALAXIES CLUSTERS -- (PECULIAR/INTERACTING) --2067 - "HIGH RESOLUTION MORPHOLOGY OF 4 GALAXIES WITH ANOMALOUS REDSHIFTS "

Keywords: PECULIAR GALAXY, DISTANCES OF GALAXIES, PHOTOMETRY, SPIRAL

STRUCTURE, MORPHOLOGY, REDSHIFTS

Proposers: Jack W. Sulentic (PI; Alabama, University Of), H.Arp (Mt Wilson

Las Campanas Observatories)

We propose to obtain high resolution images of galaxies involved in four of the best studied discordant redshift associations. Even short exposures in one color with the PC will give critical information on the nature of these systems. The data could be decisive in establishing whether the discordant galaxies are projected back-ground objects or are at a distance much closer than their redshifts would imply. The observations will 1) clarify the uncertain morphology of the discordant galaxy components and 2) allow a direct comparison of resolved detail (eg. HII regions, spiral arm width) for objects with different redshift, within each discordant pair or group. Large ground based telescopes have already established 1) that the discordant redshift components in galaxy systems are morphologically peculiar and 2) that direct signs of physical interaction exist between members of different redshift within the groups. Statistical studies also suggest that too many such discordant redshift groups are found. With a very small allotment of HST time, we have the opportunity to explore the nature of these objects which are critically important tests of one of the fundamental assumptions in astronomy.

Selection Cycle : 87A Prop. Type: GO

2076 - "HIGH IONIZATION SEYFERT GALAXIES "
Keywords · ACTIVE CALLACTION SEYFERT GALAXIES " Keywords: ACTIVE GALACTIC NUCLEUS: AGN, SEYFERT GALAXY, EMISSION LINE

GALAXY

Proposers: Donald E. Osterbrock (PI; California, University Of, Santa

Cruz), E.Capriotti (Ohio State University), G.Ferland (Ohio State University), H.Ford (Stsci), J.Miller (California,

University Of, Santa Cruz), C.Wu (Computer Sciences Corporation)

Good signal-to-noise ratio spectra will be obtained in the ultraviolet spectral region (and optical) of three especially selected high-ionization Seyfert galaxies. Analysis and interpretation of the fluxes measured in the individual emission lines, down to a faint level, will provide new information on temperature densities, abundances, geometry, and especially the ionization mechanism and its strength in these active galactic nuclei.

Selection Cycle

: 87A

QUASARS AGN -- (SEYFERTS) --

2077 - "SPECTROPOLARIMETRY OF TYPE 2 SEYFERTS "

Keywords:

Proposers: Robert Antonucci (PI; Univ. Of Calif., Santa Barbara), J.Miller (California, University Of, Santa Cruz)

We have discovered that the POLARIZED FLUX (scattered light) spectra of NGC1068 and other Seyfert 2 nuclei look like the FLUX spectra of Seyfert 1 nuclei. This implies that these objects would appear as Seyfert 1's if viewed from another direction, so the distinction between the two classes could be a largely an orientation effect. (The polarization position angles of Seyfert 2's are always perpendicular to the radio source axes. This scattering geometry indicates that the Seyfert 2's would appear as Seyfert 1's if viewed along the radio jet axis.) We need to find out whether or not the polarized flux spectra of Seyfert 2's are really INDISTINGUISHABLE from the flux spectra of Seyfert 1's by looking for the high excitation lines, the Fe II, and the continuum shape in the UV. We also need to measure the wavelength-dependence of continuum polarization in the UV to determine the nature of the scatterers.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS DUST) -- 2078 - "A SEARCH FOR PRIMORDIAL GAS; IS IZW18 A YOUNG GALAXY ? "

Keywords : DWARF GALAXY, ABUNDANCE, UV SPECTROSCOPY.

Proposers: James Lequeux (PI; Meudon Observatory; France), D.Kunth (Institute For Astrophysics, Paris; France), W.Sargent (Caltech), F. Viallefond (Paris Observatory; France)

Amongst blue compact galaxies, IZw 18 has the lowest heavy-element abundances in its HII regions and is by far the best candidate for a young galaxy experiencing its first star formation. If this is the case, its HII-region heavy elements may have been produced by the present burst of star formation and the surrounding neutral gas may be primeval, without heavy elements. We aim at checking this possibility by obtaining upper limits or measuring the abundance of neutral oxygen in this gas using the strong OI line at 1302A in absorption in front of the star cluster that ionizes the HII region.

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) -- 2123 - "POLARIZATION AND BROAD ABSORPTION LINES IN QUASARS "

Keywords : QUASAR

Proposers: Robert Antonucci (PI; Stsci), A.Kinney (Stsci), J.Ulvestad (Jet

Propulsion Laboratory)

OI 287 is a unique extragalactic source. It appears to take one property from each class of object. It is either some kind of missing link, or a new type of activity. Because of the high optical polarization, OI 287 has been classified with the blazars. However, every other blazar is variable in optical flux, polarization, and polarization angle., while OI 287 is constant at V=17, P=8%, and theta=145 degrees. Also, every other blazar has a radio source dominated by an intense flat-spectrum core, while OI 287 has an upper limit of 2% of the total 20cm flux in the core. The only group of quasars which ever shows even moderate (2-5%) constant optical polarization is the broad absorption line (BAL) objects, e.g. PHL 5200 and H1413+113. Among the BAL quasars, PHL 5200 and H1413+113 have exceptionally smooth deep, attached absorption lines, and also the highest polarization. We want to know whether OI 287 is a BAL quasar. It would be the first definite radio loud example. If it is a BAL quasar then the high polarization is really related to (and perhaps the key to) the BAL phenomenon, and we can use the techniques of spectropolarimetry to help unlock the BAL geometry. The UV spectral shape would also provide help determining the cause of polarization.

Prop. Type: GO Selection Cycle : 87A

QUASARS AGN -- (RADIO GALAXIES) -- 2177 - "THE EXTENDED FEATURELESS CONTINUUM SOURCE IN CYGNUS A "

Keywords : RADIO GALAXY

Proposers: Robert Antonucci (PI; Stsci), A.Kinney (Stsci)

Cygnus A is by far the nearest luminous Classical Double radio galaxy. The nuclear spectrum shows the canonical mix of light from old stars, a strong featureless continuum (FC), and a very strong, high ionization emission line spectrum. Several observers have recently come to the astonishing conclusion that the featureless continuum is spatially resolved. (There is no reason to think Cygnus A is unusual in this respect: if other luminous Classical Doubles had the same size optical source, their angular sizes would be too small to resolve from the ground). Furthermore, the obvious explanations of scattered light from a point source, and of optical synchrotron radiation, are strongly disfavored by optical polarization mapping. The only idea seriously considered in the literature for such an extended, unpolarized continuum is the Warmer theory, which unequivocally predicts Fv=v1 in the UV. We want to know whether the spectrum is Fv=v-1 as for quasars, or whether it rises rapidly with frequency as for Warmers. Also, if the 1550A continuum is dominated by normal 0 stars as in the starburst and some Warmer models we can diagnose it unequivocally via the CIV wind absorption. We cannot reliably determine the spectrum of the featureless continuum from the ground because of contamination by the light

of old stars. We would also like to take a WFC picure in the UV, to understand the morphology of the featureless continuum source without confusion with the old stars.

Prop. Type: G0

Selection Cycle : 87A

-- (MINOR PLANETS) --SOLAR SYSTEM 2215 - "DETERMINATION OF THE MASS DENSITIES OF PLUTO AND CHARON "

Keywords: PLUTO, CHARON, IMAGING, OPTICAL, MASS, DENSITY Proposers: George W. Null (PI; Jet Propulsion Laboratory), D.Pascu (Us

Naval Observatory), S.Synnott (Jet Propulsion Laboratory),

E.Tedesco (Jet Propulsion Laboratory)

WE PROPOSE TO ACQUIRE SIX WF CCD OBSERVATIONS OF PLUTO AND CHARON AND A SINGLE NEARBY STAR FOR THE PURPOSE OF MEASURING THE STAR-RELATIVE PLUTO "WOBBLE" INDUCED BY CHARON'S MASS. THIS WILL DETERMINE THE CHARON/PLUTO MASS RATIO TO ABOUT 6-8% AND, WHEN COMBINED WITH A MASS-SUM SOLUTION FROM KEPLER'S 3RD LAW, WILL DETERMINE THE DENSITIES OF PLUTO AND CHARON TO ABOUT 4% AND 8-10%, RESPECTIVELY. THESE DENSITIES ARE PRESENTLY POORLY KNOWN, IMPROVED VALUES WILL PROVIDE CRUCIAL BOUNDARY CONDITIONS FOR MODELS OF PLUTO AND CHARON'S INTERIOR COMPOSITION, ATMOSPHERIC DYNAMICS, AND EVOLUTIONARY HISTORY. THE MASS SOLUTIONS REQUIRE ACCURATE ASTROMETRIC MEASUREMENTS OF THE SEPARATE IMAGES OF PLUTO AND CHARON, WHICH CAN ONLY BE OBTAINED WITH HST'S ANGULAR RESOLUTION AND FREEDOM FROM ATMOSPHERIC DISTORTION.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANCE SCALE) --2227-KP - "DETERMINATION OF THE EXTRAGALACTIC DISTANCE SCALE "

Keywords: DISTANCE SCALE, HUBBLE CONSTANT, SPIRAL GALAXY, STELLAR POPULATION, COSMOLOGY, CEPHEID, SUPERGIANT, STAR CLUSTER

Proposers: Jeremy Mould (PI; Caltech), S.Faber (California, University Of, Santa Cruz), H.Ford (Stsci), W.Freedman (Mt Wilson Las Campanas Observatories), J.Graham (Department Of Terrestrial Magnetism, Ciw), J.Gunn (Princeton University), J.Hoessel (Wisconsin, University Of), J.Huchra (Cfa), G.Illingworth (California, University Of, Santa Cruz), R.Kennicutt Jr. (Arizona, University Of), B.Madore (Caltech), P.Stetson

(Dominion Astrophysical Observatory; Canada)

Many fundamental problems in cosmology and astrophysics remain undetermined because the value of the expansion rate is uncertain to a factor of two. HST will provide the opportunity to break this impasse. We propose a program which in combination with other GTO and GO work should lead to a measurement of Ho to 10 % accuracy. Our main goal is the observation of Cepheids in two dozen fields in nearby galaxies, for the primary purpose of calibrating the infrared Tully-Fisher relation. The accumulated data will also allow investigation of other secondary distance indicators, including

the brightest resolved stars, supernovae, and calibration of the Faber Jackson relation. Measurement of Cepheids in the Virgo and Fornax clusters will also be attempted. A necessary associated goal of our proposal is strengthening the calibration of the Cepheid PL relation itself, largely via resolved study of star clusters in the LMC, M31, and M33.

Prop. Type: G0

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANCE SCALE) --2230 - "DISTANCE TO THE SEYFERT GALAXY NGC 4151 DETERMINED BY PARALLEL OBSERVATIONS WITH THE WFC"

Keywords : SEYFERT GALAXY, DISTANCE DETERMINATION, GLOBULAR CLUSTERS Proposers: Aina Elvius (PI; Stockholm Observatory; Sweden), A.Altamore (Instituto Astronomico Dell'Universita, Rome; Italy), A.Boksenberg (Royal Greenwich Observatory, Hailsham; Uk), G. Bromage (Rutherford And Appleton Laboratory, Chilton; Uk), J. Clavel (Esa Iue Observatory, Madrid; Spain), R. Fosbury

(St-Ecf; Frg), M.Penston (Royal Greenwich Observatory, Cambridge; Uk), G.Perola (Instituto Astronomico Dell'Universita, Rome; Italy), M.Snijders (Astronomisches Institut Tuebingen;

Frg), M.Ulrich (European Southern Observatory; Frg)

The nearest Seyfert 1 galaxy NGC 4151 has a rapidly variable nucleus with interesting features. It has been studied extensively by the proposers with IUE and ground-based telescopes. Parameters which we want to derive from the observations, like the dimensions of an accretion disk around a possible black hole and the amount of energy emitted from the active nucleus, depend on the distance to NGC 4151. Therefore it is essential to determine the distance as accurately as possible. Distance estimates based on the redshift (presently 10 to 20 Mpc) are not good enough because of a possible peculiar motion of the same order as the Hubble flow. We propose to use the WFC for exposures of the outer spiral structure and surroundings of NGC 4151 in parallel with observations of the nucleus with another instrument. We intend to search the fields for distance indicators such as globular clusters, HII regions, supergiant stars and Cephied variables and to determine their magnitudes and approximate colours. The distance indicators are too faint to be observed from the ground but should be comfortably measured with the HST.

Selection Cycle

87A

-- (COMET) --SOLAR SYSTEM

2231 - "HETEROGENEITY OF DUST AND GAS EMISSIONS ON A COMETARY NUCLEUS "

Keywords : COMET

Proposers: Philippe L. Lamy (PI; Laboratory For Space Astronomy, Marseille;

France), E.Grun (Mpi For Atomic Physics; Frg), U.Keller (Mpi For Aeronomy; Frg), Z.Sekanina (Jet Propulsion Laboratory), R.West

(European Southern Observatory; Frg)

We propose to observe with the planetary camera (PC) of HST the short-period comet P/Faye at its closest approach to the Earth (0.6 AU). The high spatial resolution (40 km) over a large field will allow to image the dust and gas jets "down to the nucleus" and to follow their temporal evolution over a period of approximately 10 days. Combined with ground-based observations as a model of the dust/gas expansion, it will be possible to map the discrete sources of emission on the nucleus and study its rotational properties. HST will extend the present insight we have of comet Halley to another comet, an important step in the current exploration and understanding of primitive bodies in the solar system.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (MASSIVE STARS) --

2233 - "THE PHYSICS OF MASSIVE O-STARS IN DIFFERENT PARENT GALAXIES. THE

MAGELLANIC CLOUDS."

Keywords: EXTRAGALACTIC STAR, ATMOSPHERE, ABUNDANCE, MASS-LOSS, EVOLUTION,

NUCELOSYNTHESIS, UV, SPECTROSCÓPY, STELLAR PARAMETERS Proposers: Rolf-Peter Kudritzki (PI; Munich University; Frg), D.Baade

(European Southern Observatory; Frg), B.Bohannan (Colorado, University Of), K.Butler (Munich University; Frg), P.Conti (Colorado, University Of), C.Garmany (Colorado, University Of),

H. Groth (Munich University; Frg), S. Heap (Nasa, Goddard),

D. Hummer (Colorado, University Of), D. Husfeld (Munich

University; Frg), A.Pauldrach (Munich University; Frg), J.Puls (Munich University; Frg), S. Voels (Munich University; Frg),

N.Walborn (Stsci)

A detailed quantitative spectroscopic analysis of massive 0-stars in the Magellanic Clouds is proposed. The objective is to determine precisely the intrinsic stellar parameters of luminosity, effective temperature, gravity, mass, chemical composition and the stellar wind parameters of mass-loss rate and velocity structure in these metal poor irregular galaxies. These parameters will be obtained from detailed NLTE model atmosphere analyses of HST UV-spectra (HRS, in low resolution mode) and ground-based optical high resolution, high S/N spectra already obtained using the ESO 3.6 m telescope. the results in comparison with our present parallel work on galactic 0-stars will give important observational constraints on the evolution of massive stars and the strength of stellar winds as a function of metallicity. This will be a crucial test of stellar and galactic evolutionary scenarios which are all depend on the rate of mass-loss during the different stellar evolutionary stages.

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (NEUTRON STARS) --

2237 - "OBSERVATIONS OF THE ECLIPSING MILLISECOND PULSAR "

Keywords: PULSARS, PULSARS: BINARY, PULSARS: MILLISECOND BINARIES: LOW

MASS X-RAY, NEUTRON STARS.

Proposers: Jay Bookbinder (PI; Cfa), C.Bailyn (Cfa), A.Fruchter (Department Of Terrestrial Magnetism, Carnegie Inst.), P.Judge (Colorado,

University Of), J. Taylor (Princeton University)

FRUCHTER et al. (1988a) HAVE RECENTLY DISCOVERED a 1.6 MSEC PULSAR (PSR 1957+20) IN A 9.2 HOUR ECLIPSING BINARY SYSTEM. THE UNUSUAL BEHAVIOR OF THE DISPERSION MEASURE AS A FUNCTION OF ORBITAL PHASE, AND THE DISAPPEARANCE OF THE PULSAR SIGNAL FOR 50 MINUTES DURING EACH ORBIT, IMPLIES THAT THE ECLIPSES ARE DUE TO A PULSAR-INDUCED WIND FLOWING OFF OF THE COMPANION. THE OPTICAL COUNTERPART IS A 21ST MAGNITUDE OBJECT WHICH VARIES IN INTENSITY OVER THE BINARY PERIOD; ACCURATE GROUND-BASED OBSERVATIONS ARE PREVENTED BY THE PROXIMITY (0.7") OF A 20TH MAGNITUDE K DWARF. WE PROPOSE TO OBSERVE THE OPTICAL COUNTERPART IN A TWO-PART STUDY. FIRST, THE WF/PC WILL PROVIDE ACCURATE MULTICOLOR PHOTOMETRY, ENABLING US TO DETERMINE UNCONTAMINATED MAGNITUDES AND COLORS BOTH AT MAXIMUM (ANTI-ECLIPSE) AS WELL AS AT MINIMUM (ECLIPSE). SECOND, WE PROPOSE TO OBSERVE THE EXPECTED UV LINE EMISSION WITH FOS, ALLOWING FOR AN INTIAL DETERMINATION OF THE TEMPERATURE AND DENSITY STRUCTURE AND ABUNDANCES OF THE WIND THAT IS BEING ABLATED FROM THE COMPANION. STUDY OF THIS UNIQUE SYSTEM HOLDS ENORMOUS POTENTIAL FOR THE UNDERSTANDING OF THE RADIATION FIELD OF A MILLISECOND PULSAR AND THE EVOLUTION OF LMXRBs AND MSPs IN GENERAL. WE EXPECT THESE OBSERVATIONS TO PLACE VERY SIGNIFICANT CONTRAINTS ON MODELS OF THIS UNIQUE OBJECT.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) --2238 - "LYMAN-ALPHA OBSERVATIONS OF HIGH RADIAL VELOCITY STARS "

Keywords: STARS: CHROMOSPHERES; STARS: LYMAN-ALPHA EMISSION, STARS:

FLUORESCENCE, ISM: DEUTERIUM ABUNDANCE.

Proposers: Jay Bookbinder (PI; Cfa), A.Brown (Colorado, University Of),

P.Judge (Colorado, University Of), W.Landsman (St Systems Corporation), J.Linsky (Colorado, University Of), J.Neff (Nasa,

Goddard)

H I LYMAN -ALPHA (LY-A) IS ONE OF THE MOST IMPORTANT LINES EMITTED BY PLASMA IN THE TEMPERATURE RANGE OF 7000 TO 10 TO THE FIFTH POWER K IN LATE-TYPE STARS. IT IS A MAJOR COMPONENT OF THE TOTAL RADIATIVE LOSS RATE, AND IT PLAYS A CRUCIAL ROLE IN DETERMINING THE ATMOSPHERIC STRUCTURE AND IN FLUORESCING OTHER UV LINES. YET IT IS ALSO THE LEAST STUDIED MAJOR LINE IN THE FAR UV, BECAUSE MOST OF THE LINE FLUX IS ABSORBED BY THE ISM ALONG THE LINE OF SIGHT AND BECAUSE IT IS STRONGLY COMTAMINATED BY THE GEOCORONAL BACKGROUND. A KNOWLEDGE OF THE Ly-A PROFILE IS ALSO IMPORTANT FOR STUDIES OF DEUTERIUM IN THE INTERSTELLAR MEDIUM. BY OBSERVING HIGH RADIAL VELOCITY STARS WE WILL OBTAIN FOR THE FIRST TIME HIGH RESOLUTION SPECTRA OF THE CORE

OF A STELLAR H I LYMAN-A EMISSION LINE PROFILE.

Prop. Type: G0

Selection Cycle : 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) -- 2242 - "LYMAN ALPHA IMAGING OF 2016+112"

Keywords : ACTIVE NUCLEI, GRAVITATIONAL LENSING

Proposers: Charles R. Lawrence (PI; Caltech), M. Schmidt (Caltech),

D.Schneider (Institute For Advanced Study, Princeton), E.Turner

(Princeton University)

We propose to obtain a narrow band PC picture of the complex gravitational lens system 2016+112. The data will be taken through the F517N filter, which is centered on the strong Lyman alpha emission line in the z = 3.273mutiply imaged active nucleus. This observation will provide: a precise measurement of the relative positions and brightnesses of the three known images of the active nucleus; evidence of any distortions in the emission line regions on scales of less than 1 kpc; locations of fainter images (most theoretical models predict a total of five images); and, possibly, the structure of the resolved emission line regions located near the active nucleus. These results, especially when combined with broad band GTO observations, will provide important constraints on models of this object. Although the active nucleus is a radio source, one of the lensing galaxies is considerably stronger, and prevents good radio measurements of the third image. Only in the strong, narrow Lyman alpha line does that image stand out from the galaxy, and only with the resolution of HST can we accurately measure its position and brightness.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (HH OBJECTS) --2243 - "THE SHOCK WAVE STRUCTURE OF HERBIG-HARO OBJECTS"

Keywords: HERBIG-HARO OBJECTS

Proposers: Richard D. Schwartz (PI; Missouri, University Of, St Louis),

K.Bohm (Washington, University Of), M.Cohen (California,

University Of, Berkeley), M.Dopita (Mt Stromlo Siding Spring Observatories; Australia), L.Hartmann (Cfa), B.Jones

(California, University Of, Santa Cruz), R. Mundt (Mpi For

Astronomy; Frg), J.Raymond (Cfa)

Herbig-Haro (HH) nebulae are a class of objects produced by shock waves in supersonic jets (often bipolar) from young stellar objects. The shock wave structure can reveal much useful information concerning the physical conditions in the jets and the ambient medium. The detailed geometrical structure of the shocks is still unclear, especially for the semistellar knots found in many HHs. Some studies suggest that they may be radiative bow shocks, but seeing limitations of ground-based imaging have precluded a determination of the shock structure of the knots. We propose to obtain images of HH 1 and HH 2 with the PC over a wide range of excitation in

order to allow a detailed shock wave analysis which incorporates information on the geometrical structure of the objects. The goal is to obtain information on the flow parameters in the shock wave and to incorporate theoretical shock wave modeling to interpret the flow. Such information is vital in order to develop a more complete under- standing of processes which occur in the early history of star formation.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (DUST) --

2245 - "ULTRAVIOLET INTERSTELLAR POLARIZATION "

Keywords: INTERSTELLAR DUST, POLARIZATION, ULTRAVIOLET EXTINCTION Proposers: W. B. Somerville (PI; London, University College; Uk), D. Carnochan (London, University College; Uk), P. Martin (Toronto, University Of; Canada), D.Mcnally (London, University College; Uk), D.Morgan (Royal Observatory, Edinburgh; Uk), K.Nandy (Royal Observatory, Edinburgh; Uk), D. Whittet (Lancashire Polytechnic; Uk), R.Wilson (London, University College; Uk)

We propose to study interstellar polarization in the spectra of reddened early-type stars, throughout the ultraviolet range, an observation that has not previously been possible. This is an extension of work done in the optical and infrared and addresses three principal observational questions: (1) does the same empirical polarization curve (Serkowski's Law) extend into the uv?; (2) does the 2175 A absorption feature show polarization?; (3) in the far ultraviolet, does the polarization reflect the strong rise seen in the extinction curve? The results will provide vital new information about the composition and the size and shape distributions of the grains, and the nature of the carrier of the 2175 A feature. Targets are selected to have a variety of ultraviolet extinction and optical polarization properties, to enable us to examine whether the ultraviolet polarization is related to any of these.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY BINARIES) --2248 - "ULTRAVIOLET SPECTROSCOPY OF LOW MASS X-RAY BINARIES"

Keywords: X-RAY STAR, NEUTRON STAR; BLACK HOLE; SPECTROSCOPY; UV Proposers: Paul Barr (PI; Esa, Estec; Netherlands), M.Gottwald (Mpe Garching; Germany), I.Howarth (London, University College; Uk), M.Klis (Amsterdam University; Netherlands), A.Pollock (Esa, Estec; Netherlands), N.White (Esa, Estec; Netherlands)

We propose to use the HST FOS to study the UV spectra of five low-mass X-ray binaries (LMXRB). Our goals are to investigate the physical structure of their accretion disks and investigate the effects of X-ray heating in these systems. Studies of their UV spectra will lead to; -constraints on the accretion disk thickness and the effects of X-ray heating from comparison of the UV and X-ray luminosities, and from the studies of the UV spectral shape; -a probe of the sites of UV line emission. Possible locations for the emission line region are the accretion disk itself and the irradiated photosphere of the companion star. Only space-borne instrumentation can study the far UV spectra of these objects. Most LMXRB are too faint to have been observed with IUE. Only five have been studied with IUE and only Cen X-4 (in outburst) and Sco X-1 have yielded data of even moderate signal-to-noise ratio. It is highly desirable to extend this sample to include LMXRB of various types - bursters, dippers, accretion disk corona and 'normal' bulge sources - to search for systematic differences between them. The HST is uniquely suitable for obtaining moderate resolution UV spectra of these objects.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

2251- LT - "THE PROPERTIES OF SINGLE INTERSTELLAR CLOUDS "

Keywords: INTERSTELLAR CLOUDS

Proposers: L. M. Hobbs (PI; Chicago, University Of), D. Morton (Herzberg Institute Of Astrophysics; Canada), D. Welty (Chicago, University

Of), D. York (Chicago, University Of)

WE PROPOSE TO USE THE ECHELLE GRATING OF THE HIGH RESOLUTION SPECTROGRAPH OVER A TWO-YEAR PERIOD TO OBSERVE THE PROFILES OF INTERSTELLAR ABSORPTION LINES. THE COLUMN DENSITES OF 18 NEUTRAL OR IONIZED FORMS OF THE ELEMENTS C,N,O,Mg,Si,P,S,Fe, AND Zn WILL BE MEASURED IN THE APPROXIMATELY 100 INDIVIDUAL INTERSTELLAR CLOUDS ALONG THE LIGHT PATHS TO 18 BRIGHT, BROAD-LINED STARS OF EARLY SPECTRAL TYPE WITHIN 1 KPC OF THE SUN. THE PRIMARY PURPOSE OF THE OBSERVATIONS IS TO DETERMINE MORE ACCURATELY THAN WAS HITHERTO POSSIBLE THE FUNDAMENTAL PHYSICAL PROPERTIES OF THE RESOLVED CLOUDS, INCLUDING LINEAR SIZE, TEMPERATURE, TOTAL DENSITY, FRACTIONAL IONIZATION AND THE RELATIVE ABUNDANCES OF THE 9 SELECTED ELEMENTS. IN THE ANALYSES OF THE VARIOUS CLOUDS, WE WILL ALSO USE OUR EXTENSIVE LIBRARIES OF EXISTING INTERSTELLAR LINE PROFILES FOR THESE STARS, INCLUDING BOTH COPERNICUS DATA FOR IMPORTANT ULTRAVIOLET LINES AT LAMBDA 1100 A, WHICH ARE NOT READILY ACCESSIBLE TO THE HRS, AND INTERFEROMETRIC GROUND-BASED DATA FOR OPTICAL LINES, WHICH WERE RECORDED AT STILL HIGHER SPECTRAL RESOLVING POWER. THE MEASUREMENTS WILL BE EXTENDED ADDITIONALLY TO THREE FAINTER, HIGH LATITUDE STARS IN THE LOWER GALACTIC HALO, AT DISTANCES 0.9 < /Z/ < 2.6 KPC FROM THE PLANE.

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --2257- LT - "PHYSICAL CONDITIONS IN THE GASEOUS GALACTIC HALO "

Keywords: GAS, UV, INTERSTELLAR, HALO

Proposers: Blair D. Savage (PI; Wisconsin, University Of), J.Cardelli

(University Of Wisconsin-Madison), R. Edgar (University Of

Wisconsin-Madison)

We will obtain high and intermediate resolution HRS observations of interstellar absorption produced by N V, C IV, Si IV, Al III and Mn II toward 7 halo stars. The target stars have been carefully selected from the existing IUE data base of high resolution spectra of distant B stars in the galactic halo. The data will be used to study the line broadening of N V, C IV and Si IV to determine if there is evidence that these lines are formed in collisionally ionized gas at temperatures in the range $\log T = 4.8$ to 5.3 or formed in photoionized gas near $\log T = 4$. In addition, we will study the general prevalence of interstellar N V absorption, the distribution of the various species away from the galactic plane and the velocity correspondance between the lines of high, intermediate and low ionization. Our overall goal is to obtain new information about the physical conditions of the gas in the galactic halo. With this information we hope to better understannd the origin of galactic halo gas. The HRS is required for these observations because of its superior resolution and signal to noise characteristics over the spectrographs of the IUE satellite.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (PULSATING STARS) --

2258 - "SHOCK INDUCED MASS LOSS IN THE POPULATION II CEPHEID ST PUPPIS "

Keywords : CEPHEIDS, MASS-LOSS, SHOCK WAVES

Proposers: George Wallerstein (PI; Washington, University Of),

E.Bohm-Vitense (Washington, University Of), G.Bowen (Iowa State

University), L. Willson (Iowa State University)

To study the mass loss by the population II Cepheid St Pup, which is also an IRAS source, we propose to observe the density sensitive pair of emission lines, 1892 of Si III and 1909 of C III and the group of lines around 1500; He II, Si IV, CIV and OV whose relative intensities are sensitive to the degree of ionization which depends on the flow velocity of the shocked gas. These data will allow us to compute the density, temperature, and shock velocity in the outer atmosphere of the star. If the gas velocity behind the shock equals the escape velocity, mass-loss is occurring on every cycle.

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (PLANETARY NEBULAE) --2263 - "PARALLEL-MODE WF/PC IMAGING OF MAGGELANIC CLOUD PLANETARY NEBULAE "

Keywords: PLANETARY NEBULAE; IRREGULAR GALAXY, IMAGING

Proposers: Marc Azzopardi (PI; Marseille Observatory; France), B.Lasker (Stsci), J.Lequeux (Ecole Normale Superieure, Paris; France),

N. Meyssonnier (Marseille Observatory; France)

Planetary nebulae (PN), as well as likely proto-PN, in the Magellanic Clouds (MC) will be imaged by the WFC/PC in Parallel-Mode pointings in order to obtain image diameters and surface brightness in the selected emission lines H-Beta, [OIII] 5007, H-Alpha, [NII] 6584, and the continuum. These data will support a considerably improved analysis of the physics of a sample of planetary nebula with well-known distances and a better comparison of galactic PN with their counterparts in the MC. As only parallel observations are requested, no additional spacecraft time is required for this program.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (EARLY EVOLUTION) --2265-LP - "THE FORMATION AND EVOLUTION OF SOLAR NEBULAE SURROUNDING PRE-MAIN SEQUENCE STARS"

Keywords : CIRUMSTELLAR DISKS; MASS LOSS; PMS STARS, T TAU STARS

Proposers: Stephen Strom (PI; Massachusetts, University Of), S.Beckwith (Cornell University), R.Brown (Stsci), B.Campbell (New Mexico, University Of), L. Carrasco (Mexico, Autonomous University Of; Mexico), S.Edwards (Smith College), G.Grasdalen (Wyoming, University Of), L.Hartmann (Cfa), S.Persson (Mt Wilson Las Campanas Observatories), F.Shu (California, University Of, Berkeley), M.Simon (Suny, Stony Brook), T.Simon (Hawaii, University Of), R. Stachnik (Nasa, Washington), J. Stauffer (Nasa,

Ames), F. Vrba (Us Naval Observatory)

This proposal requests time to bring the power of HST to bear on the problems of solar nebular formation and evolution. We will use the PC to exploit HST's stable point spread function and tenfold increase in angular resolution to image the circumstellar environment of nearby pre-main sequence (PMS) stars in order to: determine the frequency with which disks form around single and multiple stars; PC observations behind the Baum spot are capable of detecting scattered light from dust embedded in circumstellar disks of 50 AU radius which contain as little as 10-7 Mo in distributed material, and imaging such disks at effective spatial resolutions -15 AU; characterize the size, surface brightness and morphology of circumstellar disks for a sample of PMS stars spanning the time soon after stellar birth, when disks become optically thin, perhaps following planet-building episodes; investigate the morphology of energetic winds driven by PMS stars by using [O I] monochromatic images to trace low density, ionized outflowing gas, in order to a) evaluate the degree of interaction between winds and circumstellar disks, b) derive more accurate estimates of PMS star mass loss rates, and c) thereby assess the effect of

PMS star winds on the evolution of disks and the planet-forming environment. These observations will provide a) the basis for determining whether planetary systems are common or rare, and b) astrophysical constraints on the timescale and environment for planet-building.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (LATE EVOLUTION) --

2266 - "POST ASYMPTOTIC GIANT BRANCH EVOLUTION IN THE MAGELLANIC CLOUDS. " Keywords: STARS: HB STAR, INTERSTELLAR MEDIUM: PLANETARY NEBULA,

GALAXY: MAGELLANIC CLOUDS, ASTROPHYSICS: EVOLUTION, STELLAR

POPULATION, ABUNDANCE

Proposers: Michael A. Dopita (PI; Mt. Stromlo And Siding Spring Observatories; Australia), R.Bohlin (Space Telescope Science Institute), H. Ford (Space Telescope Science Institute), P. Harrington (University Of Maryland), S. Maran (Goddard Space Flight Center), S. Meatheringham (Goddard Space Flight Center), T. Stecher (Goddard Space Flight Center), L. Webster (University Of New South Wales; Australia), P. Wood (Mount Stromlo And Siding

Spring Observatories; Australia)

Planetary Nebulae (PN) represent a critical stage of stellar evolution which is still poorly understood. We still lack reliable observational estimates of stellar luminosity, mass, effective temperature and age, which could be used to constrain evolutionary models, and determine key data such as mass-loss rates, He shell flash phases and the role of dredge-up. This proposal represents the first stage in a systematic and definitive study using HST observations, which will require approximately a further 150 hours for completion, of a large sample of nebulae at known distance in the Magellanic Clouds. The following observations allow us to derive all parameters needed for proper confrontation between theory and observation: * Direct PC imaging to detect central stars and to derive the physical dimensions, masses, ages, and spatial structure of the nebulae. * FOS spectrophotometry of the central stars and nebulae in the range 1150 - 2332 Angstroms. This data will be used in combination with stellar models to derive the effective temperature, bolometric luminosity, and mass of each of the exciting stars. The combination of these parameters with the dynamical age of the PN will define the evolutionary tracks in the Luminosity/T-eff diagram. We will use two independent ionisation codes to interpret the FOS spectra, optical and IR spectra, and the ionisation structure derived from the PC images. This analysis will yield chemical abundances of many elements, including the astrophysically important species He, C, N, O, and Si.

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (EVOLUTION/COSMOLOGY) --2269 - "GALAXY POPULATIONS IN INTERMEDIATE REDSHIFT CLUSTERS"

Keywords: DISTANT GALAXY CLUSTERS, GALAXY EVOLUTION, GALAXY MORPHOLOGY Proposers: Warrick J Couch (PI; University Of New South Wales; Australia), R.Ellis (Durham University; Uk), R.Sharples (Durham University;

We request WF/PC time to image at high resolution those members of 2 southern rich clusters at intermediate redshifts (z~0.3-0.4) which we have studied extensively at the AAT using both fiber-optic spectroscopy and multi-colour photometry. Our comprehensive ground-based data has allowed us to measure precise line indices and colours for individual galaxies in these clusters and hence to construct a unifying picture for the various phenomena associated with the Butcher-Oemler effect whereby different galaxies are seen at different stages of star-formation activity within a simple cycle. The WF/PC data will allow us to morphologically classify galaxies at various stages in this cycle and resolve many of the questions left unanswered by the ground based data. The AAT catalogue is the largest, most complete spectroscopic and photometric data set where, by virtue of the moderate redshift, detailed information is available for all galaxies to a fixed magnitude limit. As such, our sample forms the ideal first target for HST studies of the evolution of galaxies in dense environments.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ATMOSPHERES -- (LATE EVOLUTION) --

2282- LT - "SENSITIVE UV SPECTROSCOPY OF A HELIUM ATMOSPHERE DEGENERATE STAR "

Keywords : WHITE DWARFS

Proposers: Charles Alcock (PI; Inst. Of Geophys. And Planetary Phys., Lln1)

We propose a sensitive search using the FOS for Lyman alpha absorption in the spectrum of a DB white dwarf star whose visible spectrum shows only helium absorption lines. The observed absence of H alpha and H beta absorption already shows that the N(H) to N(He) ratio is less than or equal to 10E(-4). The Lyman alpha line is approximately 100 times stronger than H alpha (for a given hydrogen abundance) so the potential upper limit to the hydrogen content is 100 times stronger than presently available. At the same time, we would obtain senstitive measurements of (or upper limits to) the UV resonance lines of carbon, magnesium, aluminum, silicon and iron. Detection of or upper limits to any of these lines would place significant constraints on the models of the atmospheres of this star, its accretion of interstellar and circumstellar material, and indirectly on their ages.

Selection Cycle

: 87A

QUASARS AGN -- (QUASAR EMISSION) -- 2288 - "SPECTROSCOPY OF THE UV BRIGHTEST KNOWN HIGH RED SHIFT QUASAR "

Keywords: QUASAR, SPECTROSCOPY, CONTINUUM, LYMAN FOREST, INTERGALACTIC

MATTER

Proposers: Dieter Reimers (PI; Hamburg Observatory; Frg), J.Clavel (Esa,

Iue Observatory; Spain), D. Engels (Hamburg Observatory; Frg),

D. Groote (Hamburg Observatory; Frg), H. Hagen (Hamburg

Observatory; Frg), W. Wamsteker (Esa, Iue Observatory; Spain)

The luminous, high redshift quasar (v=16.1, z=2.72) HS 1700 + 6416, discovered recently by us, has been found with IUE to be in the UV the brightest known QSO. Its flux increases from 1500 to 1200A with shorter wavelength. This up to now unique object offers the possibility to conduct spectroscopic observations in the UV at a resolution of 103 with the aim i. to study the energy distribution of a luminous QSO down to rest wavelengths of 320 A ii. to search for QSO emission lines below 1000A to 320A iii. to study the distribution of the Lyman forest and of IGM in one line of sight between z=0 and z=2.72

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2290 - "CHEMICAL ABUNDANCES IN LOCAL GROUP SUPERNOVA REMNANTS"

Keywords: ASTROPHYSICS:EVOLUTION, STELLAR POPULATION, ABUNDANCE, Proposers: Michael A. Dopita (PI; Mt. Stromlo And Siding Spring Observatories; Australia), P.Benvenuti (Space Telescope

Coordinating Facility;), R.Chevalier (University Of Virginia), S.D'Odorico (European Southern Observatory;), J.Danziger (European Southern Observatory;), D. Mathewson (Mt. Stromlo And Siding Spring Observatories; Australia), F. Matteucci (European Southern Observatory;), S.Russell (Mt. Stromlo And Siding Spring Observatories; Australia), I.Tuohy (Mt. Stromlo And

Siding Spring Observatories; Australia)

There is an increasing body of data, based on abundance analyses of the interstellar medium, which suggests that Local Group disk galaxies have had a star-formation history which is quite different from the region of the Galaxy about the sun. For example, the solar region appears to have undergone a burst of high-mass star formation at the time of disk collapse, unlike Local Group systems of low metallicity. The evolved, radiative supernova remnants (SNR) can be used as a powerful probe of the chemical abundances in the Interstellar Medium (ISM). This proposal is to obtain FOS UV spectrophotometry of the brightest radiative SNR discovered by us in Local Group Galaxies. This data will complement our ground-based data in the optical to give abundances of a variety of elements with different nucleogenic origins. The data to be obtained in the LMC will complement the abundance analysis of the spectra of many supergiant stars, already performed, to give us a complete picture of the "cosmic" abundances of most

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2292 - "YOUNG SUPERNOVA REMNANTS IN THE MAGELLANIC CLOUDS AND NUCLEOSYNTHESIS IN

MASSIVE STARS*

Keywords: ABUNDANCE, SPECTRAL REGIONS: OPTICAL, UV, SUPERNOVAE: TYPE II

Proposers: M. A. Dopita (PI; Mt. Stromlo And Siding Spring Observatories;

Australia), P.Benvenuti (Space Telescope Coordinating Facility; Frg), R.Chevalier (Virginia, University Of), S.D'Odorico (European Southern Observatory; Frg), J.Danziger (European Southern Observatory; Frg), B.Lasker (Stsci), D.Mathewson (Mt. Stromlo And Siding Spring Observatories; Australia), I. Tuohy (Mt. Stromlo And Siding Spring Observatories; Australia)

The young supernova remnants (YSNR) present a unique opportunity to directly observe the end-points of stellar evolution. The peculiar spectra of the oxygen-rich type undoubtedly result from the reheating of material ejected from deep within the core of a massive progenitor star. This material is not very well-mixed, so that the spectra of individual knots can be used to probe the chemical composition of the region of the progenitor star where they were produced. Galactic examples of this class are heavily reddened, so that UV spectroscopy will be difficult. This proposal is to observe those YSNR in the Magellanic Clouds which were discovered by us. By imaging with the WF/PC and by later UV spectroscopy with the FOS, we intend to determine the excitation mechanism, chemical abundances, and the chemical stratification in the supernova ejecta.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI/CORES) --

2295 - "BLACK HOLES IN ELLIPTICAL GALAXIES "

Keywords:

Proposers: Giuseppina Fabbiano (PI; Cfa), G. Trinchieri (Cfa)

We propose to observe at high resolution the central regions of eight early-type galaxies, for which X-ray and radio continuum data are available. Four of these have radio core power comparable with that of M87, and four are radio quiet. We seek to measure the UV emission of a nonthermal nuclear source, and/or to find evidence of a central stellar spike, which could indicate the presence of a central mass concentration. These measurements will enable us to investigate the origin of nuclear activity in ellipticals with particular reference on the mass of the central black hole as a crucial element.

Selection Cycle

: 87A

-- (QUASAR EMISSION) --QUASARS AGN

2296 - "QUASAR ENERGY DISTRIBUTIONS "

Keywords: QUASARS, CONTINUUM EMISSION, ULTRAVIOLET SPECTRA, X-RAY SPECTRA Proposers: Jonathan Mcdowell (PI; Cfa), M. Elvis (Cfa), B. Wilkes (Cfa)

The most striking feature in the continuum energy distributions of many quasars is the ultraviolet 'Big Bump'. Bump properties vary widely, and there are objects in which no such component is evident. We propose to study the range of Bump strengths by obtaining high signal-to-noise, moderate resolution ultraviolet spectra of 6 quasars with soft X-ray spectra, two with large bump features, and four with little or no evidence for an ultraviolet bump. The 'Weak Bump' may reveal the bare non-thermal ultraviolet continuum for the first time. We will have complete (radio to X-ray) energy distributions of all 6 objects, which will allow the HST ultraviolet spectra to be understood in their wider context.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --2298 - "STELLAR CONTENT OF GALAXIES AND GLOBULAR CLUSTERS "

Keywords: GALAXIES: STELLAR POPULATIONS; GLOBULAR CLUSTERS: INTEGRATED

SPECTRA

Proposers: David Burstein (PI; Arizona State University), J.Frogel (Ohio

State University), R.O'Connell (Virginia, University Of), M.Rieke (Arizona, University Of), J.Rose (North Carolina,

University Of), C.Wu (Stsci)

Our goal is to establish a spectroscopic method which can reliably distinguish the effects of age from those of chemical composition in the integrated light of stellar populations older than one billion years. This program forms an essential link between two of HST's most powerful capabilities: detailed color-magnitude diagram (CMD) studies of nearby galaxies and globular clusters, and integrated light studies of high redshift galaxies in early phases of evolution. As a first step, we propose to obtain high precision FOS ultraviolet spectroscopy of bright, nearby extragalactic systems, to combine this with ground-based and IUE data in a comprehensive spectral synthesis analysis, and to compare the results with independent CMD studies by HST. Our results will help us to develop an effective method for interpreting the lower S/N data which will be available for distant objects at large lookback times.

Selection Cycle

87A

-- (JETS) --QUASARS AGN

2301 - "IMAGING OF RADIO HOT SPOTS

Keywords: RADIO GALAXIES, RADIO JETS, CONTINUUM EMISSION Proposers: Klaus Meisenheimer (PI; Mpi For Astronomy; Frg), R.Laing (Royal

Greenwich Observatory; Uk), R.Perley (Nrao), H.Roeser (Mpi Fuer

Astronomie: Frg)

We proposed to obtain optical images of radio hot spots with the HST Planetary Camera. Based on results of our groundbased observations we selected 3 hot spots which emit optical synchrotron light (3C 20 west B, 3C 33 south, 3C 111 east). 3C20 and 3C 33 are in the GTO list and had thus to be omitted. 3C 111 has z ~ 0.05 where HST will reach a linear resolution of 0.1 kpc, i.e., ~ 1/10 of the hot spot diameter. We already marginally resolved the optical hot spot from the ground and will thus be able to study the structure of the places of particle acceleration in detail. These observations will help to decide between various models of radio jets feeding the hot spots.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --2306 - "PHYSICAL CONDITIONS IN THE NARROW-LINED REGION "

Keywords : ACTIVE GALACTIC NUCLEUS: AGN, SEYFERT GALAXY

Proposers: Jack A. Baldwin (PI; Cerro Tololo Inter-American Obs. National Optical Astron. Obs), G. Ferland (Ohio State University), H. Netzer (Tel Aviv University; Israel), D. Wills (Texas, University Of),

B. Wills (Texas, University Of)

We will make a comprehensive study of the emission-line gas in the narrow-lined region (NLR) of active galactic nuclei (AGN). We will concentrate on Seyfert 2 galaxies in order to avoid possible confusion with the spectrum of the broad line region (BLR). We wish to use a wide variety of the HST instruments, to insure that a comprehensive and high-quality data set is built up for a representative sample of nearby Seyfert 2 galaxies. These data should immediately allow us to address several important, inter-related questions about AGN: a. What is the velocity field in the innermost part of the NLR? b. Where does the reddening occur in AGN? c. What is the chemical composition of the gas associated with the AGN? d. How do the Seyfert 1 and Seyfert 2 continuum sources differ? e. Do most Seyfert 2 galaxies contain "hidden" BLRs? We will exploit both the high UV response and high spatial resolution of HST, using PC images to map out the NLR structure in a few strong lines, FOS and HRS to obtain detailed nuclear spectra over a wide wavelength range, and most importantly, FOC in its long slit mode to study spatial variations in the UV and optical spectra.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) --2321 - "SEARCH FOR ENERGETIC PROTONS IN THE IMPULSIVE PHASE OF STELLAR FLARES -AU MIC"

Keywords: STELLAR FLARES, PROTONS, CHARGE-EXCHANGE, ENERGETICS Proposers: Bruce E. Woodgate (PI; Nasa, Goddard), K. Carpenter (Nasa,

Goddard), M.Kundu (Colorado, University Of), J.Linsky (Colorado,

University Of), S.Maran (Nasa, Goddard)

We propose to search for energetic protons in stellar flares, by monitoring the stellar H Lyman alpha profile with high time resolution. Protons accelerated in a flare may dominate the total energy released, but have not previously been observed below 1 Mev. In the impulsive phase, predictions show that some of the 10-300 kev protons accelerated down into the stellar chromosphere will charge-exchange with neutral hydrogen and emit Lyman alpha photons in the red wing, up to 20a from line center. Impulsive bursts may last from 0.5-30 sec, spread over several minutes. Simultaneous observations of transition region, chromospheric, and coronal lines will identify the impulsive phase, and provide measurements of the emission measure, temperature distribution, and density. Observations of AU Mic totalling 6 hours with GHRS in low resolving power mode (R= 2000), to cover 1160-1448a with 0.4 sec time resolution are required.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY BINARIES) --2334 - "ULTRAVIOLET SPECTROSCOPY OF THE BLACK HOLE A0620-00" Keywords: BLACK HOLE, NEUTRON STAR, X-RAY STAR, INTERACTING BINARY Proposers: Jeffrey Mcclintock (PI; Cfa), K. Horne (Stsci), R. Remillard (Mit)

There is compelling dynamical evidence that the X-ray nova A0620-00 contains a black hole. For more than ten years now, the nova has been in hibernation. It's quiescent optical spectrum is composed of two distinct components: a K5V stellar part and an accretion disk component. We propose to observe A0620-00 for a full binary orbit (7.8 hours) with the FOS. Two factors make the proposed UV observations a unique and exciting prospect: 1) the simplicity of the black hole event horizon eliminates the complex disk-star boundary layer in other accreting systems, and 2) the K5V secondary is completely invisible at UV wavelengths. Consequently, the UV spectrum of A0620-00 is expected to be the pure spectrum of an accreting black hole. We also propose to observe Cen X-4 (a quescent X-ray nova that contains a neutron star) in order to compare black-hole accretion and neutron-star accretion. This proposal is part of an 8 year, ongoing study of A0620-00.

Selection Cycle

87A

STELLAR ASTROPHYSICS -- (MASSIVE STARS) --

2338 - "SPECTROSCOPY OF THE SPECKLE-RESOLVED ETA CARINAE POINT SOURCES "

Keywords: EARLY TYPE STARS, ATMOSPHERES, UV SPECTROSCOPY, STELLAR

EVOLUTION, NUCLEOSYNTHESIS, ABUNDANCES, LBVS, LUMINOUS STARS,

MASSIVE ST

Proposers: Kris Davidson (PI; Minnesota, University Of), R. Humphreys

(Minnesota, University Of), R. Kudritzki (Munich University; Frg), M.Rosa (European Southern Observatory; Frg), K.Simon (Munich University; Frg), N. Walborn (Stsci), G. Weigelt

(Max-Planck-Institut F. Radioastronomie; Frg), B. Wolf

(Heidelberg State Observatory; Frg)

Eta carinae is thought to be the most extreme known Luminous Blue Variable (LBV), marking the unstable upper boundary of the HR Diagram. It is crucial for theories of the LBV outburst phenomenon, only recently beginning to be developed. Recently the "central object" in Eta Carinae has been found by speckle techniques to be multiple. Combined with the presence of circumstellar emission and scattering, this multiplicity means that high spatial resolution is needed in order to obtain spectral data specifically on the primary component, the very massive LBV star. The fainter components are also important -- if they are stars, then this is a unique chance to study a truly coeval system of very massive stars of known age (known because the LBV is present), and if they are nebular objects, then we need spectra in order to understand why they are so unexpectedly bright. For these reasons we propose to us the FOS to obtain spectra of the primary star and of its companion objects. The stellar spectra will be used for a quantitative analysis by NLTE methods, aiming for estimates of Teff, g, chemical composition, mass, mass-loss rate, wind velcoity field, and luminosity.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2340 - "IMAGING AND SPECTROSCOPY IN THE CRAB NEBULA"

Keywords: SUPERNOVA, SUPERNOVA REMNANT, CRAB NEBULA, ABUNDANCE,

NUCLEOSYNTHESIS, MORPHOLOGY

Proposers: Kris Davidson (PI; Minnesota, University Of), R.Fesen (Dartmouth

College), R. Henry (Oklahoma, University Of), M. Kafatos (George Mason University), R.Kirshner (Cfa), G.Macalpine (Michigan, University Of), A. Uomoto (Johns Hopkins University), A. Wilson

(Maryland, University Of)

The Crab Nebula is the only young SNR (i.e., composed mainly of SN ejecta) whose condensations are resolvable by ST while also being "easily" observable in the UV. Moreover, it is now thought to represent an important SN mass range, and at the same time the Crab's chemical composition is poorly understood. V spectral data is essential for understanding the Crab. while high-spatial-resolution studies of its condensations will also be useful for producing more reliable ionization models in order to study it composition and its dynamics. We propose a detailed set of observations

with the WFC, and FOC, partly to obtain useful data soon and partly to enable planning of future, more sophisticated UV spectroscopy. The WFC is to study density gradients and local structure in the condensations and also to provide accurate positions for possible future FOS work. The FOC is to make images of UV emission lines, for composition with visualwavelength structure and also for possible future planning.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (ERUPTIVE BINARIES) --

2342 - "THE SYMBIOTIC PHENOMENA "

Keywords : INTERACTING BINARY, SYMBIOTIC STAR, ACCRETION

Proposers: A. G. Michalitsianos (PI; Nasa, Goddard), R.Fahey (Nasa, Goddard

Space Flight Center), M.Kafatos (George Mason University), H. Nussbaumer (Zurich Astronomy Institute; Switzerland),

F.Paresce (Stsci)

Symbiotic stars are interacting binaries. The relevant interaction processes include mass expulsion from a common envelope between the two stars, collimated flows, accretion disk formation around the compact hot star, evolution of outbursts, as well as mass outflow leading to jet-like features with particularly intriguing characteristics. However, the nature of these systems and the physical processes that explain their behavior remain unsettled. Spectroscopy with HRS will decisively advance our knowledge of the kinematical and ionization structure of the central HII region that surrounds the binary. It is hoped that this will finally answer the controversial question concerning the nature of the hot object in symbiotics. High spatial resolution radio

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --2344 - "HIGH VELOCITY LYMAN ALPHA ABSORPTION IN THE VELA REMNANT "

Keywords: SUPERNOVA REMNANT, SHOCKWAVES

Proposers: Edward B. Jenkins (PI; Princeton University), G. Wallerstein

(Washington, University Of)

To detect the primary supernova shock in the intercloud medium of the Vela Remnant we propose to look for very high velocity (500\u2214u\u221500 kms-1) components of Lyman alpha in absorption. Models by Cowie et al. indicate that such line may be detectable, and we have seen possible components of HI and 0 VI near 400 kms-1 with Copernicus satellite.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (NOVAE) --

2345 - "ABSORPTION LINES DUE TO EJECTED NEBULA OF AN OLD NOVA. "

Keywords: ABSORPTION LINE, ABUNDANCE, NEBULA, NOVA, PROFILE UV, WIND Proposers: Michael Friedjung (PI; Institut D'Astrophysique (Cnrs); France),

A.Bianchini (Osservatorio Astronomico Padova; Italy), A. Cassatella (Iue Observatory Vilspa-; Spain), R. Gehrz (University Of Minnesota - Minneapolis; U.S.A), P.Selvelli (Cnr-Osservatorio Astronomico Di Trieste; Italy), S.Shore (New Mexico Institute Of Mining Technology; U.S.A.), S.Starrfield (Arizona State University - Tempe; U.S.A.), J.Truran (University Of Illinois - Urbana; U.S.A.), R. Wagner (Lowell Observatory-Flagstaff, Arizona; U.S.A.), R. Williams (Ctio - La Serena;

We plan to use the HRS to observe ultraviolet absorption lines with lower level excitation potentials at or near zero electron volts, produced by the nebula of the old nova V 603 Aql (1918). This old nova is very bright, while the line of sight to the central remnant seems to pass through or near the density maximum of the ejected nebula associated with a "polar cap". Analysis of lines due to the ions C IV, NV and Si IV will give information about the velocity field of the nebula on the line of sight to the central remnant and from this on the nebular thickness, as well as on nebular ionization and perhaps on the abundances. Information about the wind expected from the accretion disk around the white dwarf component of the central binary will also be obtainable.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2347 - "CLOSE SPACIAL SAMPLING OF SHOCKED CLOUDS IN THE VELA REMNANT "

Keywords: SUPERNOVA REMNANT, SHOCKWAVES, GAS

Proposers: George Wallerstein (PI; Washington, University Of), E.Jenkins

(Princeton University)

To study the spatial correlation of ionization and excitation in the Vela Remnant clouds we propose to observe both components of 5 visual binaries within or behind the remnant. This will provide data along lines of sight by only 150 to 2500 A.U. The degree of correlation of column densities and ionization states over these short distances should help to distinguish among various theories of the origin of the high velocity and high ionization clouds in supernova remnants.

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

2348 - "ABUNDANCE ENHANCEMENTS IN HALO GAS "

Keywords: HALO, SUPERNOVA REMNANT, ABUNDANCES, GAS

Proposers: Edward B. Jenkins (PI; Princeton University), G. Wallerstein

(Washington, University Of)

We propose to use HRS in its highest resolution mode to examine interstellar absorption lines in the spectra of stars situated ~1 kpc or more from the galactic plane. We will compare Fe II, S II, Si II and Al II to see if their relative abundances differ from ordinary interstellar gas, as indicated by a conservative interpretation of some IUE data. We will equate possible abundance enhancements in halo gas, if they are indeed real, with element replenishments found in shocked gases in the plane (associated with the Vela SNR) to see if the pattern from element to element differs from that resulting from the destruction of grains. This differentiation will indicate whether the principal enhancements are from grain evaporation as the gas is ejected from the plane, or whether element injection from Type I supernovae plays an important role.

Prop. Type: GO

Selection Cycle

: 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) -2350 - "WF/PC IMAGING OF GRAVITATIONAL LENSES AND GRAVITATIONAL LENS CANDIDATES"
Keywords: EXTRAGALACTIC, IMAGING, GRAVITATIONAL LENS, COSMOLOGY
Proposers: Edwin L. Turner (PI; Princeton University), B.Burke (Mit),
E.Falco (Cfa), J.Hewitt (Mit), J.Huchra (Cfa), S.Kent (Cfa),
C.Lawrence (Caltech), J.Ostriker (Princeton University),
D.Schneider (Institute For Advanced Study), I.Shapiro (Cfa)

WF/PC broad band imaging of ten specific systems believed to be gravitational lenses on the basis of existing observations and of 37 objects divided among five categories of quasars in which lensing might be very common is proposed. Observations of objects in the first category (i.e., lens candidates) would consist of images in two bands (F555W and F785LP) and have the goals of further testing the lens hypothesis for each system, of allowing very accurate measurement of the relative positions of the multiple source images and the lensing object(s), of revealing details of the lensing object's structure, of identifying additional source images and/or lensing objects, and of resolving possibly magnified source images. Proposed observations in the second category (i.e., search for new lens candidates) would consist of images in a single band (F555W or F702W) and have the goal of searching for evidence of lensing, either multiple source images or nearly superimposed foreground galaxies and/or galaxy clusters. This second imaging program may be thought of as a series of mini-surveys for new lens systems, each exploring a potential high yield search strategy. The proposed observations exploit the potential of HST's high angular resolution for gravitational lens studies and would play a central role in a multi-investigator, multi-institutional effort which is already underway using ground based optical and radio observations plus theoretical investigations. This larger program is ultimately aimed at utilizing

Prop. Type: GO Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) -- 2355 - "COLLISIONLESS SHOCKS AND YOUNG SUPERNOVA REMNANTS"

Keywords: SUPERNOVA REMNANTS, IMAGING

Proposers: William P. Blair (PI; Johns Hopkins University), J. Hester

(Caltech), R.Kirshner (Cfa), K.Long (Johns Hopkins University),

J. Raymond (Cfa), P. Winkler (Middlebury College)

We propose to obtain WFC H-alpha images of selected supernova remnants to study the physics and proper motions of so-called "collisionless" shocks. The primary targets include portions of the young galactic remnants SN 1006, SN 1572 (Tycho's remnant), and the northeast Balmer-dominated filaments in the Cygnus Loop. We will use the superior imaging quality of HST to resolve the shock structure and provide direct information about the physical scale lengths of the shock fronts. The images will also be crucial for determining accurate proper motions of the filaments (first by comparison with our existing ground-based images, and ultimately with future HST images). These data will help refine the distances and expansion laws of these remnants, information that is critical both for studies of remnant evolution and for the possible use of the historical observations to calibrate Type Ia supernovae as extragalactic distance indicators. Two LMC supernova remnants showing the same Balmer-dominated emission morphology will also be observed as first epoch proper motion images in order to constrain the ages of these remnants and provide an independent distance measurement to the LMC.

Prop. Type: GO Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) -- 2356 - "THE IDENTIFICATION OF SUPERNOVA REMNANTS IN M83 AND OTHER SPIRAL GALAXIES"

Keywords: SUPERNOVA REMNANTS

Proposers: Knox S. Long (PI; Johns Hopkins University), W.Blair (Johns

Hopkins University), R.Kirshner (Cfa), J.Raymond (Cfa),

P. Winkler (Middlebury College)

This is a proposal to use narrow-band Wide Field Camera (WFC) images to identify supernova remnants in the nearest large Sc galaxy M83. SNRs will be identified on the basis of spatial extent and the ratio of observed emission in [S II]:H-alpha and [O III]:H-alpha. Based on our recent ground-based success in locating SNRs in M33 and other very nearby galaxies, we expect to find 40-80 small diameter, high surface brightness SNRs in M83, including the remnants of one or more of the 5 historical supernovae in M83. The observations will serve as a test case to demonstrate that HST can be used to inventory the SNR populations of many types of galaxies. The resulting catalogue of M83 will be used to test models of SNR evolution, to compare the supernova rate in M83 to that of local and Sculptor group spirals, to estimate the numbers of oxygen-rich to "normal" SNRs, to locate individual SNRs for future spectroscopic

observations, and to relate the positions of detected SNRs to other morphological features in this galaxy. This is also a proposal to extend our ground-based surveys of SNRs to smaller diameter objects in confused regions of M33, NGC 300, and NGC 2403 by using the WFC in parallel mode. These observations will help reduce selection effects in the ground-based surveys and will incidentally produce images of known SNRs in these galaxies for future planning

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --2360 - "R-PROCESS EJECTA IN THE VELA SUPERNOVA REMNANT "

Keywords: SUPERNOVA REMNANT, NUCLEOSYNTHESIS HEAVY ELEMENTS

Proposers: George Wallerstein (PI; Washington, University Of), E.Jenkins

(Princeton University)

Groundbased, X-ray and radio studies reveal many properties of supernovae but none except for the neutrinos from SN1987A have been able to tell us anything about the mechanism of the explosion. By looking for r-process and heavy iron-peak isotopes we can estimate the amount of neutronized material ejected and hence get a grip on what actually happened during the explosion. We will search for interstellar absorption lines of KrI, HgII, Os II, W II, and Pt II in stars within and behind the Vela supernova remnant. Substantial quantities of these elements are expected to be ejected in supernova explosions. However, recent competing theories of the supernova explosion mechanism predict differing amounts of r-process ejecta and in this way our observation will provide important constraints on these models. This will be a direct observational input on the supernova mechanism, a theoretical problem on which much time, effort, and manpower have been expended.

Prop. Type: G0

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --2365 - "HST IMAGING OF GROUND-BASED ULTRA-DEEP SURVEY FIELDS"

Keywords: GALAXIES, ANONYMOUS, FORMATION, EVOLUTION

Proposers: Simon J. Lilly (PI; Hawaii, University Of), L.Cowie (Hawaii,

University Of)

A deep ground based multi-color survey of several small areas of sky is being used to search for young galaxies in order to study galaxy formation and early evolution. Extremely deep images in five colors spread between the ultraviolet atmospheric cut-off at 3200 A and the thermal infrared at 2.4 micron have been used to isolate populations of interesting objects from amongst the larger number of more mundane galaxies. This technique has led to the identification of a population of galaxies which must represent a major episode of star-formation in the history of the Universe. We propose to observe with HST our two deepest survey fields, which are at present the most extensively studied areas of the sky at this depth, in

order to (a) discriminate between stars and galaxies all the way down to our survey limit of V~27; (b) morphologically study the young galaxy population at V~24; and (c) extend out wavelength coverage into the far ultraviolet so as to encompass a full decade of frequency. This will allow the search for these young galaxies at lower redshifts.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANCE SCALE) -- 2370 - "GLOBULAR CLUSTER SYSTEMS IN THE COMA SUPERGIANT ELLIPTICALS "

Keywords: GLOBULAR CLUSTERS, ELLIPTICAL GALAXIES, HALO, DISTANCE SCALE Proposers: William E. Harris (PI; Mcmaster University; Canada), D. Hanes (Queen'S University; Canada), J. Hesser (Dominion Astrophysical Observatory; Canada), C.Pritchet (Victoria, University Of; Canada)

We propose to use the Wide Field Camera in the V and I bands for imaging of the globular cluster systems around NGC 4874 and NGC 4889, the two central supergiant ellipticals in the Coma Cluster. Photometry of the globular clusters around these galaxies will accomplish three principal scientific goals: 1) We will obtain the globular cluster luminosity function (number of clusters per unit magnitude) to approximately Mv~-6.6, fully one magnitude fainter than LF peak frequency or "turnover." Fitting the LFs directly to those from the Local Group galaxies and the giant Virgo ellipticals in a single step will then yield a pure Population II distance calibration for Coma with an internal uncertainty of + 1-0.2 mag and a clean determination of HO, completely independent of the entire chain of Population I standard candles. 2) We will obtain the total cluster populations (specific frequencies) in each galaxy, thus sampling the formation efficiency of globular clusters in a much richer and denser galaxy environment than any accessible from ground-based imaging. 3) We will obtain the radial distribution and color (metallicity) gradient within each cluster system. By comparing these with the same quantities for the underlying halo light of the galaxies, we will determine how distinct these two components of the halo are in their structure and chemical enrichment history.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES AND CLUSTER -- (EVOLUTION/COSMOLOGY) --

2373- LT - "MORPHOLOGY OF GALAXIES IN CLUSTERS AT Z = 0.5 "

Keywords : GALAXY MORPHOLOGY, EVOLUTION, GALAXY CLUSTER

Proposers: Alan Dressler (PI; The Observatories Of The Carnegie Institution Of Washington), H.Butcher (Kapteyn Observatory; Netherlands), J. Gunn (Astrophysical Sciences, Princeton University), A. Oemler (Department Of Astronomy, Yale University)

Our program is intended to study galaxy evolution through the investigation of galaxy morphology as a function of lookback time. The development of

disks and bulges, the role of mergers, interactions, and other environmental influences, are expected to be visible over the range 0 < z < 1 as judged by the spectrophotometric evolution already observed over this redshift range. Over this first year of our two year program, we will image with the Wide Field Camera 5 fields in four rich clusters of galaxies at z = 0.35 - 0.55 for which extensive photometry and spectroscopy already exist. The fields include a wide range of environments from the dense cores of clusters to isolated field galaxies. These data will be used to classify images according to traditional morphological categories and will be used to determine quantitative measures of surface brightness distributions and bulge-to-disk ratios. The images will be obtained in two colors in order to map the distribution of star formation in comparison with low-z galaxies in similar clusters. The data are applicable to specific questions, like the cause of enhanced starburst activity found for high-z galaxies.

Prop. Type: GO

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

2378- LT - "DETECTING THE NEUTRON STAR IN GAMMA-RAY BURSTERS "

Keywords : GAMMA-RAY BURSTERS

Proposers: Bradley E. Schaefer (PI; Universities Space Research

Association), C.Chevalier (Haute Provence Observatory; France), T.Cline (Nasa, Goddard), K.Hurley (California, University Of, Berkeley), S.Ilovaisky (Haute Provence Observatory; France), C.Motch (Besancon Observatory; France), H.Pedersen (European

Southern Observatory; Chile)

The nature of the gamma-ray burst (GRB) phenomena remains a puzzle in spite of the wealth of observational data because no source object has been identified. Great effort has therefore already been expended in counterpart searches; yet, even at the limit of current technology, no counterpart is known. The unique ultraviolet imaging capabilities of HST allow for a qualitatively new type of search—where we seek emission from the neutron star component. If we can find a counterpart, we could for the first time measure distance and temperature. We would be likely to eliminate most of the many GRB models and provide a significant observational base for theory. Hence, we believe that an HST counterpart would represent the biggest advance in knowledge in this field since the discovery of GRB's.

Selection Cycle

87A

SOLAR SYSTEM -- (INNER PLANETS) -- 2379- LT - "SYNOPTIC MONITORING OF SEASONAL PHENOMENA ON MARS"

Keywords: MARS

Proposers: Philip B. James (PI; Missouri, University Of, St Louis),

R.Clancy (Colorado, University Of), R.Kahn (Jet Propulsion Laboratory), S.Lee (Colorado, University Of), L.Martin (Lowell Observatory), R.Singer (Arizona, University Of), R.Zurek (Jet

Propulsion Laboratory)

The combination of spatial and spectral resolution provided by the HST is ideally suited to a synoptic study of seasonal and interannual variability on Mars. We propose a three year program of Mars observations which will enable us to address the following objectives: multispectral mapping of geological surface units, quantitative study of seasonal and interannual variations in albedo features, the diurnal behavior of martian clouds, observation of a classic dust storm season, measurements of the atmospheric concentration of ozone and the derived water vapor abundance, and observations of seasonal polar cap changes for comparison with earlier data sets. Thirteen sequences of observations are proposed to map the martian globe and to provide repeated observations of the regions of greatest scientific interest; these use the PC to observe Mars in visible and near UV wavelengths and the FOS to map ozone absorption. The sequences are designed for particular martian seasonal dates relevant to the scientific objectives.

Prop. Type: GO

Selection Cycle

87A

STELLAR ASTROPHYSICS -- (ERUPTIVE BINARIES) -- 2380 - "INSTABILITIES IN ACCRETION DISCS AND THE OUTBURSTS OF DWARF NOVAE "

2380 - "INSTABILITIES IN ACCRETION DISCS AND THE OUTBURSTS OF DWARF NOVAE "

Keywords : WHITE DWARF DWARF NOVA ACCRETION BOUNDARY LAYER INTER- ACTING

BINARY

Proposers: Keith Horne (PI; Stsci), T.Marsh (Stsci)

We will use the HST with the FOS to observe eclipses of a dwarf nova at 5 epochs in the quiescent period between outbursts. From the eclipse data we will determine the secular evolution of the white dwarf, the accretion disc, and the bright spot. This evidence will be a clean test of the two competing theories for the instability which triggers dwarf nova outbursts. In the disc instability model the transition of the disc from a cool to hot state triggers the outburst, whereas in the red star instability model the cool binary companion transfers a short burst of material into the disc which then becomes brighter. During quiescence the disc instability model predicts an increasing accretion rate and hence an increasing ultraviolet flux, whereas the red star model predicts a decreasing accretion rate and ultraviolet flux. Therefore the variation of the ultraviolet flux with time will distinguish which of the two current models is correct. Only the HST is able to resolve the rapid variations seen in an eclipsing dwarf nova, and therefore determine the ultraviolet flux from the accretion disc. The observations that we propose will also probe the nature of the boundary layer between the disc and the white dwarf, a region too small and hot to

be well constrained by any previous observations. In particular, we will measure the extent of heating of the white dwarf by the boundary layer, and the cooling

Prop. Type: G0

Selection Cycle : 87A

QUASARS AGN -- (RADIO GALAXIES) -- 2387- LT - "MORPHOLOGICAL STUDIES OF WEAK RADIO GALAXIES: CLUES TO THE PHYSICS AND EVOLUTION OF HIGH REDSHIFT STARBURST GALAXIES"

Keywords: WEAK RADIO GALAXIES, STARBURST GALAXIES, COSMOLOGICAL EVOLUTION, Proposers: Rogier A. Windhorst (PI; Arizona State University), P.Katgert (Sterrewacht, University Of Leiden; Netherlands), A. Willis

(Athabasca, University Of; Canada)

We propose to spend 8.5 hrs with the WFPC to help solve one of the major unresolved problems in extragalactic radio astronomy: What is the true morphological nature of the radio galaxies that cause the upturn in the submilliJansky source counts, and what physical process determines their cosmological evolution? During the last decade, we have studied these radio galaxies extensively from the ground, down to V~27 mag direct, and to V~24 mag spectroscopically. In this survey we discovered the upturn in the sub-milliJansky source counts, as well as its cause: a class of luminous, blue actively starforming galaxies at intermediate redshifts. Many of these objects show signs of interactions or merging in good seeing CCD images. We believe they are in the process of gradually forming elliptial galaxies, and that their evolution is intimately related to the formation and evolution of giant ellipticals. This process has been going on for at least half a Hubble time, and probably constitutes the physical cause for the cosmological evolution of the entire radio source population. Our goal is to study the physics of this process in detail. We propose to obtain two color WFPC images of five carefully selected high surface brightness, blue radio galaxies in the redshift range 0.3<z<1.4 (19<V<23 mag). WFPC images are crucial to study their optical morphology, surface brightness distribution, color gradients, and nuclear structure at kpc scales. This will provide the necessary clues to understand

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --

2389 - "SUPER STAR CLUSTERS IN NERABY GALAXIES "

Keywords: STAR CLUSTERS STAR FORMATION IRREGULAR GALAXIES

Proposers: Robert W. O'Connell (PI; Virginia, University Of), J.Gallagher,

Iii (Aura/Stsci), D.Hunter (Lowell Observatory)

"Super star clusters" are unusually compact, luminous star clusters found in galaxies with high star formation rates. They are barely resolvable with ground-based telescopes and have luminosity densities up to 1000 times higher than normal giant H II regions. They evidently represent an extreme mode of star formation, perhaps related to globular cluster formation

during protogalaxy collapse. We propose to take advantage of the superb resolution of the Planetary Camera to study the structure of selected super star clusters and their surroundings with four color imagery.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM -- (INNER PLANETS) --

2393 - "D/H RATIO OF VENUS AND MARS FROM LYMAN ALPHA EMISSION " Keywords: VENUS, MARS, ATMOSPHERE, EVOLUTION, UV SPECTROSCOPY

Proposers: Jean-Loup Bertaux (PI; Cnrs, Department Of Aeronomy; France),

J. Clarke (Michigan, University Of), M. Mumma (Nasa, Goddard),

T. Owen (Suny, Stony Brook)

It is proposed to measure with HRS the D/H ratio of Lyman alpha intensities from the visible disks of Venus and Mars in order to have a key clue on the evolution of water on these two planets. Whereas the D/H ratio for Earth is 1.6x10-4, indicating no substantial water escape since origin, one single measurement (through in situ mass spectrometry) for Venus indicated a ratio of 1.6 x 10-2 (enrichment 100). However, IUE La observations pushed to IUE ultimate capabilities failed to show the D La emission at 1.5 x 10-2 of the H La emission, implying a D/H radio significantly smaller than previously reported (factor 8). This important finding needs to be confirmed with a positive detection at a lower level. On Mars, HDO has been detected, showing an enrichment of about 6 in the lower atmosphere. HST observation in the upper atmosphere would bring strong constraints on differentiation and escape of D probably valid for both planets. Even with the Earth's ratio of 1.6x 10-4, D La can be detected both on Venus and Mars with HST/HRS. The two lines D and H are separated by 0.33 A and well resolved with HRS Echelle A. The D/H ratio in the bulk lower atmosphere transfers into a different D/H La emission ratio because of atmospheric processes, different solar excitation rates, and radiative transfer. All these effects require modellings which are well mastered by the proposers, with computer codes used in

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

2403 - "HOT GAS IN THE INTERSTELLAR MEDIUM "

Keywords: INTERSTELLAR MEDIUM, GAS, HOT ISM

Proposers: Lennox L. Cowie (PI; Hawaii, University Of), E.Jenkins

(Princeton University), A. Songaila (Hawaii, University Of)

The enormous gain in sensitivity and resolution of the HRS over previous instruments will at last allow us to make a detailed study of the distribution of thermally ionized N V and C IV absorption in the galactic disk. A survey of these ions in 8 carefully chosen stars ranging in distance from 80 pc to 3 kpc will provide a crucial test of the distribution of the hot gas in the interstellar medium and in particular of evaporation-front models of O VI production. The ratios of C IV and N V to

O VI and Si IV will allow us to test the predicted ionization ratios, while the evolution of equivalent with and velocity spread with distance will allow us to measure the number of components. Comparisons with lower ionization stages will test if the hot gas producing this absorption is physically associated with cooler material.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (EVOLUTION/COSMOLOGY) --2405- LT - "WFPC STUDIES OF VERY HIGH REDSHIFT ELLIPTICAL GALAXIES: THE

MORPHOLOGICAL EVOLUTION OF GIANT ELLIPTICALS AT 0.4<Z<2.5

Keywords: ELLIPTICAL GALAXIES, DISTANT GALAXIES, MORPHOLOGICAL EVOLUTION,

GALAXY FORMATION -

Proposers: Rogier A. Windhorst (PI; Arizona State University), D. Mathis

(Arizona State University), L. Neuschaefer (Arizona State University), M.Oort (Sterrewacht, University Of Leiden;

Netherlands)

We propose to spend 9 hours with WFPC to image a well defined, homogeneous sample of giant elliptical galaxies with redshifts 0.4<z<2.5. Our goal is to study the kpc structure of normal giant elliptical galaxies out to z=2.5, and their morphological evolution with cosmic time. During the last decade, we have performed extensive deep surveys, in the radio down to microJansky levels, and in the optical down to V=26 mag direct, and to V=24 mag spectroscopically. At milliJansky levels, the weak radio source population is dominated by red, high surface brightness galaxies with colors and absorption feature spectra like passively evolving giant ellipticals with current ages of 14-15 Gyr. They almost never have emission lines and are in all respects like normal, optically selected giant ellipticals, except that our ultradeep radio selection has found them out to z=2.5. We propose to obtain two color WFPC images of five carefully selected high surface brightness elliptical galaxies in the redshift range of 0.4 < z < 2.5 (19 < V < 23 mag). One of these is a young, compact elliptical galaxy at z=2.389 in a forming protocluster. WFPC images are crucial to study their optical morphology, surface brightness distribution, and color gradients at kpc scales. We will investigate their morphological evolution out to redshifts of 2.5, and see if their nuclear structure is different from that of optically selected high redshift ellipticals.

Selection Cycle

· : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

2415 - "PHYSICAL AND CHEMICAL PROCESSES IN DENSE INTERSTELLAR CLOUDS "

Keywords: INTERSTELLAR, ABUNDANCE, UV, HI CLOUD, MOLECULAR CLOUD, DUST,

MOLECULES

Proposers: Theodore P. Snow (PI; Colorado, University Of), J.Black

(Arizona, University Of), R. Crutcher (Illinois, University Of),

B.Lutz (Lowell Observatory), E.Van Dishoeck (Leiden, University

Of; Netherlands)

We propose to take advantage of the high sensitivity and spectral resolution afforded by the GHRS to carry out a comprehensive study of abundances in "transluscent" interstellar clouds (Av=2-5 mag) in order to: (1) determine physical conditions such as density, kinetic and molecular excitation temperatures, and radiation field intensities; (2) measure abundances relative to hydrogen, learn about the gas-dust interaction and depletion processes; and (3) determine the abundances of several molecular species, so that we can apply recent chemical models toward a better understanding of molecular processes in transluscent and denser clouds. The clouds to be observed are dense enough to produce detectable millimeter-wave emission from molecular species, yet transparent enough to yield absorption-line data from the infrared through the visible, and now through the UV. We have developed a two-part strategy (1) carry out detailed analyses of two selected clouds using 19 grating settings to obtain coverage of 64 multiplets of 33 atomic species as well as 27 bands of 14 molecules; and (2) conduct a survey of a few species in a number of stars, in order to sample more clouds and to analyze any trends that may appear as functions of varying cloud conditions.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NEARBY GALAXIES) --2416 - "IMAGERY AND SPECTROSCOPY OF SUPER METAL POOR GALAXIES "

Keywords : DWARF GALAXY, IRREGULAR GALAXY, NEARBY GALAXY, STELLAR

POPULATION, MORPHOLOGY, NUCLEOSYNTHESIS, ABUNDANCE, HII REGION,

SPECTROSCOPY

Proposers: Reginald J. Dufour (PI; Rice University), D.Clayton (Clemson

University), K.Davidson (Minnesota, University Of), M.Mccall (York University; Canada), J.Roy (Laval University; Canada), G.Shields (Texas, University Of), E.Skillman (Minnesota,

University Of), C.Wu (Computer Sciences Corporation)

We propose to obtain WF/PC imagery of the two of the most metal-poor blue irregular galaxies known: I Zw 18 and GR8. The imagery will be obtained through wide band UV, B, V, R, and I filters and narrow-band filters isolating H-alpha and [0 III] 5007. The wide-band imagery will be used to evaluate the massive star IMF, determination of the age distribution of groups of unresolved stars in the galaxies, and detect possible extended halos indicative of an old stellar population. The narrow band imagery will be used to identify the amount and spectral index of the ionizing radiation from OB stars, and detect supernova remnants, planetary nebulae, and

emission-line stars. It is hoped that the results will enable us to evaluate in detail the chemical and stellar evolutionary history of these relatively rare systems and their place in the larger picture of galaxy formation and evolution.

Prop. Type: G0

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2417 - "THE YOUNG REMNANTS OF MASSIVE SUPERNOVAE "

Keywords: ABUNDANCES, NUCLEOSYNTHESIS, SUPERNOVA REMNANTS

Proposers: Robert P. Kirshner (PI; Cfa), W.Blair (Johns Hopkins

University), K.Long (Johns Hopkins University), J.Raymond (Cfa), P. Winkler (Middlebury College)

The remnants of recent supernovae provide the best opportunity to probe the evolution of massive stars and the synthesis of heavy elements. Among the remnants with fast moving, undiluted debris, the best known is Cas A. We have obtained extensive ground-based data on Cas A. The results provide valuable insights into the ages, composition, and kinematics of the remnant, but are imcomplete in tantalizing ways that HST can resolve. While we are confident Cas A results from the violent destruction of a massive star after advanced nuclear burning, essential features of the explosion physics, the excitation of the debris, the chemical composition of the ejecta, and the age, distance, and kinematics still elude our grasp. HST images will allow us to isolate the chemical inhomogeneities in the debris. The images will allow an unprecedented probe of the excitation mechanism, and will provide 10 times the angular resolution for proper motion studies to determine ages.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OLD FIELD STARS) --2419 - "THE CHRONOLOGY OF THE FORMATION OF THE GALACTIC HALO AND DISK "

Keywords: GLOBULAR CLUSTERS, POPULATION II
Proposers: Robert J. Zinn (PI; Yale University), B.Carney (North Carolina, University Of), C.Christian (University Of California At Berkeley), G.Da Costa (Yale University), P.Demarque (Yale University), J. Heasley (Hawaii, University Of), K. Janes (Boston University), E.Olszewski (Arizona, University Of), P.Seitzer (Stsci)

Observations with the PC will be used to construct color-magnitude diagrams that reach more than 2 mag. below the main-sequence turnoffs in 7 globular clusters. One of these clusters lies beyond 60 kpc from the galactic center, 2 are metal-poor clusters near the galactic center, and the remaining 4 are metal-rich clusters that belong to the disk system. The HST is needed because only it can provide (i) accruate photometry at the faint magnitudes (V > 25) required in the very distant cluster and (ii) the high resolution necessary for photometry in the very crowded fields of the inner

halo and disk clusters. The ages of the clusters will be measured from the c-m diagrams using several techniques, and will be compared with each other and with the ages derived for other clusters from ground-based observations. The chronologies of the halo and the disk that result from these data will constrain theories of galactic evolution tightly, for they will indicate the time scale of halo formation and lag-time between halo and disk formation, as functions of galactocentric distance.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (QUASAR ABSORPTION) --

2424-KP - "QUASAR ABSORPTION LINE SURVEY "

Keywords: SPECTROSCOPY QUASARS, ABSORPTION/EMISSION LINES, GALAXIES,

HALOS/CLUSTERS/VOIDS, INTERGALACTIC MEDIUM

Proposers: John N. Bahcall (PI; Institute For Advanced Study, Princeton),

J.Bergeron (Institute For Astrophysics, Paris; France), A. Boksenberg (Royal Greenwich Observatory; Uk), W. Sargent (Caltech), B.Savage (Wisconsin, University Of), D.Schneider (Institute For Advanced Study, Princeton), D. Turnshek (Stsci), R. Weymann (Mt Wilson Las Campanas Observatories), A. Wolfe

(Pittsburgh, University Of)

The establishment of a homogeneous data base of quasar absorption lines using the diagnostic survey proposed here will form the basis for an attack on fundamental cosmological and astrophysical problems: What are the physical, dynamical and evolutionary properties of the intergalactic medium? What is the strength, shape and origin of the UV background radiation? What limits can be set upon the primordial He/H and D/H ratios? What has been the chemical and dynamical evolution of gaseous galactic disks and halos? What physical processes govern the ionization of this gas? What physical processes govern the acceleration of thermal and relativistic plasma in radio quiet and radio loud quasars? How has gaseous structure in the universe evolved on scales of 1 Mpc to 100 Mpc? The discrimatory power of the survey and the efficient use of HST were the primary criteria used in constructing the survey, which takes account of all relevant GTO observations. Exposure times are based upon IUE archival data. Ground-based observations of all program objects will be made to monitor variability and to complement the HST observations. The survey contains a primary list of 103 quasars with 0.3 < Zem < 2.0, 18 additional bright quasars to be observed with the FOS to provide candidates for future HRS follow up, and a supplementary list of 49 fainter quasars for a damped Ly-alpha survey. A plausible extrapolation of ground-based data suggests that the primary survey will detect 275 Ly-alpha and 60 CIV systems.

: 87A Selection Cycle

-- (HOST GALAXIES) --QUASARS AGN 2425 - "WFC IMAGING OF A COMPLETE SAMPLE OF RADIO-LOUD QUASARS "

Keywords : QUASARS

Proposers: Donald P. Schneider (PI; Institute For Advanced Study,

Princeton), J.Bahcall (Institute For Advanced Study, Princeton)

How does the morphology of the host galaxies around quasars depend upon the radio luminosity? Are the host galaxies unusually bright? Do they interact with companion galaxies? Observations with the WFC of the ten radio-loud quasars which constitute the complete sample considered in this proposal, together with the complimentary observations of the complete sample of eight radio-quiet quasars in GTO proposal 1015, will determine the dependence of host galaxy morphology on radio luminosity and will reveal properties of the host galaxy and its environment that cannot be obtained from ground based observations. The images will be taken with the filter F785LP; this band avoids the strong emission lines in the redshift range of interest (z~0.35) The effect of the quasar on the galaxy can be assessed by comparing the images requested in this proposal with the images obtained with the F702W filter for four of the radio-loud quasars in GTO proposal 1015. For these four quasars, F702W includes the strong 0 III HBeta emission lines.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) --

2428- LT - "A CRITICAL TEST OF THE GALACTIC ESCAPE VELOCITY AT R(SUN) "

Keywords: GALACTIC ESCAPE VELOCITY, HIGH VELOCITY STARS, PARALLAXES,

PROPER MOTIONS

Proposers: Darrell J. Macconnell (PI; Computer Sciences Corporation),

W.Osborn (Central Michigan University)

We propose to measure the trigonometric parallaxes and proper motions of the three high-proper motion stars which Carney, Latham, and Laird (1988) identify as having the most extreme velocities known in the galactic rest frame. Using these stars, they conclude that the local value of the escape velocity, V(esc), is at least 500 k/s, and this leads them to draw other important conclusions regarding the distribution of mass in the galactic disk. However, their assigned distances, and hence the tangential velocities and V(esc) value, depend on uncertain photometric corrections and reddening estimates. The photometric distances they find are in the range 400-550 pc, so the parallaxes are expected to be of the order of 2 milliarcsec. If these distances are approximately correct, it will be possible to measure them at the 4-sigma level using an FGS on the HST if care is taken with the observations and reductions. It will be of great interest if the parallaxes turn out to be smaller than the estimates of Carney, et al., since this would lead to a higher value for the escape velocity and a larger mass for the galaxy. Alternatively, if the parallaxes are found to be considerably larger than they adopted, either V(esc) is considerably smaller than 500 k/s or these three stars are not the most appropriate for setting a limit on V(esc).

Selection Cycle

: 87A

SOLAR SYSTEM -- (MINOR PLANETS) --

2432 - "EXCEPTIONAL SOLAR-SYSTEM OBJECTS"

Keywords: ASTEROID, COMET, MINOR PLANET, ANOMALOUS OBJECT

Proposers: B. Zellner (PI; Computer Sciences Corporation), R.Brown (Stsci),

E.Helin (Jet Propulsion Laboratory), C.Kowal (Computer Sciences

Corporation), B. Marsden (Cfa), A. Milani (Pisa University;

Italy), D.Pascu (Us Naval Observatory), P.Seidelmann (Us Naval

Observatory)

This is a target-of-opportunity proposal for HST observations to be executed if a previously unknown, truly exceptional solar-system object or phenomenon is discovered either in the normal course of HST work or by anyone, anywhere. Trails due to unknown moving objects will often appear on HST images made for other purposes. A short trail seen near the opposition point or at high ecliptic latitude could represent a major addition to our knowledge of the solar system. Thus we further propose that all short trials seen on HST images taken in favorable regions of the sky be given a quick analysis in the Observation Support System for their possible significance. If an unusual object is found we propose to: (1) Seek from the owner of data rights permission to proceed as may be appropriate; (2) Contact the Minor Planet Center for an evaluation of the significance of the discovery; and (3) For an object that appears to be of great significance where effective groundbased followup appears unlikely, request the HST schedule be replanned for followup images and physical studies using HST.

Prop. Type: GO

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (SN _SNR) --

2434 - "A STUDY OF THE CHEMICAL COMPOSITION AND VELOCITY STRUCTURE OF THE YOUNG

SUPERNOVA REMNANT AD 1006"

Keywords: SUPERNOVA REMNANT, SUPERNOVA, NULEOSYNTHESIS, SUBDWARF Proposers: Chi-Chao Wu (PI; Computer Sciences Corporation), R.Fesen

(Colorado, University Of), A. Hamilton (Colorado, University Of), M. Leventhal (AtT Bell Labs), C. Sarazin (Virginia, University

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We propose to observe an sdOB star situated behind the young remnant of the type Ia SN 1006 in order to study the remnant's kinematic and chemical properties through absorption lines induced on the star's spectrum. Our exhaustive analysis of IUE data has firmly established that the star's UV spectrum exhibits broad FeII resonance line absorptions with radial velocity dispersions of approximately +/- 5000 km/s. Other broad, nonstellar features are tentatively identified as SII, SiII, SiIV, and OI resonance lines redshifted over the range 5200 to 6500 km/s. The UV absorption features provide a direct probe through this young SN Ia remnant, and thus a powerful test of theoretical SN models. However, the 17th mag star is at the limit of IUE capabilities, restricting detailed

knowledge of the SNR's structure and composition. We propose FOS observations producing 10 to 20 better S/N and a 5-fold increase in resolution which will provide: 1) data on the density profile of the unshocked FeII core material, 2) a precise measurement of the reverse shock velocity, 3) insight into the nature of the 0, Si and S 'knots', and 4) limits on the column density of enriched blueshifted ejecta.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM

-- (SATELLITES) --

2435 - "SPECTROPHOTOMETRY OF PHOBOS AND DEIMOS "

Keywords: PHOBOS, DEIMOS, PLANETARY SATELLITES, ASTEROIDS

Proposers: B. Zellner (PI; Computer Sciences Corporation), J.Bell (Hawaii,

University Of), J. Caldwell (York University; Canada), J. Gradie (Hawaii, University Of), D. Tholen (Hawaii, University Of), P. Thomas (Cornell University), J. Veverka (Cornell University),

E. Wells (Computer Sciences Corporation)

The satellites of Mars have been studied by the Mariner 9 and Viking missions, and will be minutely examined by the Phobos mission. The satellites are small, dark, and irregularly shaped, and are thought to resemble C-type mainbelt asteroids and some carbonaceous chondrites. Being the only such objects inspected by rendezvous spacecraft, they provide benchmarks for comparison of disk-integrated data with disk-resolved features, and thus are important in interpretation of astronomical data for many solar system objects. Also Phobos and Deimos have substantially different surface features, and promise substantial interpretive benefit by their variety. However groundbased observations that would allow direct comparisons with the asteroids are very difficult to obtain, and the connection with meteorites is uncertain because of limitations with reflectance data obtained from rendezvous spacecraft. Thus we propose spectrophometry of both satellites with HST.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES _CLUSTERS -- (NEARBY GALAXIES) --

2436 - "THE STARBURST GALAXY NGC 5102 "

Keywords: GALAXIES, STARBURST, LUMINOSITY FUNCTION, MASS FUNCTION

Proposers: Kenneth C Freeman (PI; Mt Stromlo Siding Spring Observatories;

Australia), C. Norman (Stsci), P. Quinn (Mt Stromlo Siding

Spring Observatories; Australia), N.Scoville (Caltech)

NGC 5102 is a nearby (4 Mpc) galaxy of classical SO appearance which has undergone a recent starburst in its nucleus, bulge and disk. Because it is so close, it provides a unique opportunity to investigate the IMF of a typical starburst, the mass of starburst matter relative to the underlying older population, and the effect of the starburst on the largescale structure of this galaxy. PC images will be used to derive the luminosity function and IMF for the starburst matter in two regions of NGC 5102, at

different distances from the nucleus. In the inner high surface brightness region, the crucial massive end of the mass function (stars more massive than 8 Ms) is accessible. In the outer disk, where the surface brighness is lower, we will be able to derive the mass function for stars more massive than 5 Ms. This proposal is part of a larger program on this important galaxy, involving extensive ground based optical and radio observations. The HST is required for its high spatial resolution, which enables faint stars of the starburst to be detected against the high background surface brightness of this galaxy.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES _CLUSTERS -- (DISTANT GALAXIES) --

2438- LT - "A STUDY OF THE MOST DISTANT GALAXIES "

Keywords : FORMATION, EVOLUTION, AGN, RADIO GALAXY, MORPHOLOGY, RADIO Proposers: George K. Miley (PI; Leiden University; Netherlands), K. Chambers (Johns Hopkins University), F. Macchetto (Stsci), W. Van Breugel (California, University Of, Berkeley)

We have recently developed the most efficient technique known for finding distant galaxies. In our sample of 33 40 sources, at least 8 are galaxies with z < 2, and 3 have z > 3.7 The galaxies emit bright narrow Lyman alpha which is extended, usually by several arcseconds. Their optical continua are also extended. These high-redshift objects show the striking alignment between their optical and radio emission that we (unexpectedly) found to be a general property of distant radio galaxies. Here we propose to study four z > 2 galaxies with the HST. Our program is directed towards imaging the galaxies in Lyman alpha and in the continuum with with the PC to obtain morphological information about the various components. Our distant radio galaxies are the only high-redshift objects that can be mapped in detail with the HST. This project will provide unique information about the properties of galaxies in the early universe, close to the epoch of their formation.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OPEN CLUSTERS) --2441 - "SEARCH FOR WOLF-RAYET STARS IN LOCAL GROUP GIANT HII REGIONS " Keywords: WOLF-RAYET STARS - HII REGIONS - STELLAR POPULATION - IMAGERY Proposers: Anthony Moffat (PI; Montreal, Universite De; Canada), L.Drissen (Montreal, Universite De; Canada), M.Shara (Stsci)

Wolf-Rayet (WR) stars represent a common, advanced evolutionary phase for the most massive stars. Their strong and broad emission lines (caused by high mass-loss rates) make them easily detectable, even in distant and crowded regions. Because of their high massive star content, Giant HII. Regions (GHR) are priviledged sites to study extreme population I stars at their birthplace. We propose to take advantage of the high resolution provided by the HST and to use PC imagery with an interference filter

centered on the prominent HeII 4686 emission line to detect and locate precisely WR stars in three key GHR of the Local Group (NGC 3603, NGC 604 and NGC 595) that cannot be completely resolved from the ground. The purpose of this project is mainly twofold: to check if WR stars in GHR are normal compared to WR stars in the field and to study how population ratios (WR/O and WC/WN) can be affected by the conditions inside GHR.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM

-- (COMET) --

2442 - "COMETARY PARENT MOLECULES "

Keywords : COMETS, SPECTROSCOPY, ULTRAVIOLET

Proposers: Paul D. Feldman (PI; Johns Hopkins University), M.A'Hearn

(Maryland, University Of), H. Weaver (Stsci)

We propose to use HRS observations of a suitable target-of-opportunity comet to study two outstanding problems related to the composition of the volatile component of the cometary nucleus. These problems concern two species, CO and S2, which have been observed in the cometary coma and identified as "parent" molecules sublimating directly from the nucleus. Both of these molecules have their principal fluorescent emissions in the. vaccuum ultraviolet. The high spectral resolution will allow the determination of the rotational temperature of CO, which is diagnostic of the source temperature and the excitation mechanism of the observed emission. The determination of the abundance of both CO and S2 in the primarily water ice of the nucleus can serve to constrain current models of comet formation in the primordial solar nebula.

Prop. Type: GO

Selection Cycle : 87A

-- (JETS) --QUASARS AGN

2443 - "ULTRA-HIGH RESOLUTION STUDIES OF AGN'S WITH THE FGS "

Keywords: AGN, RADIO GALAXY, QUASAR, JET

Proposers: Ethan J. Schreier (PI; Stsci), A.Fresneau (Strasbourg

Observatory; France), G.Miley (Leiden University; Netherlands)

We wish to use the FGS to study the morphology of bright AGN's known to have radio structure on the scale of several milliarcseconds. Because their structures are linear, these objects are ideal for investigating the feasibility of using the HST FGS to attain ultra-high resolutions. We will also compare f/288 mode FOC observations to help model the larger scale structure and to compare deconvolution techniques. Several exciting problems concerning AGNs (and their jets) can be tackled uniquely by this experiment, including: the relation of optical continuum in AGNs to synchrotron jets; a search for superluminal jet expansion in the optical; and, spatial resolution of the broad-line region. Following detailed analysis of the observations proposed here, we would propose repeat observations of those source where structure is detected, in order to search for superluminal motion or other time variability.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (ERUPTIVE BINARIES) --2446- LT - "TIME-RESOLVED SPECTROPHOTOMETRY OF ECLIPSING CATACLYSMIC VARIABLES " Keywords: WHITE DWARF, ECLIPSING BINARY, INTERACTING BINARY, DWARF NOVA,

ACCRETTION

Proposers: Keith Horne (PI; Stsci), T.Marsh (Stsci), J.Patterson (Columbia University), R.Polidan (Arizona, University Of), J.Raymond (Cfa), E.Robinson (Texas, University Of), A.Shafter (Texas, University Of), P.Szkody (Washington, University Of), R.Wade (Arizona, University Of), J.Wood (Texas, University Of), E.Zhang (Texas, University Of)

We will use the Faint Object Spectrograph to acquire time-resolved ultraviolet spectrophotometry of 8 eclipsing cataclysmic variables covering the full range of binary periods (1.5 to 8h) and accretion disk morphologies for these systems. Light-curve synthesis and maximum entropy mapping techniques will be used to interpret the eclipse data to determine the masses, radii and temperatures of the component stars, the physical conditions in the accretion disk and boundary layer between the accretion disk and its central white dwarf, and the rates of mass transfer. The ultraviolet spectra and ultraviolet eclipse light curves are crucial because they probe the hot inner regions of the accretion disk and the boundary layer between the accretion disk and the white dwarf. The results will test theories of the structure of accretion disks and theories of the structure and evolution of close binaries in the late stages of their evolution.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (LATE EVOLUTION) --2450 - "UV-SPECTROSCOPY OF THE UNIQUE HOT RCRB STAR V348 SGR "

Keywords: STARS: CHEMICALLY PECULIAR STAR; SPECTRAL ANALYSIS 1.5 Proposers: K. Hunger (PI; Kiel University; Frg), R.Clegg (London, University College; Uk), J.Drilling (Louisiana State University), W. Hamann (Kiel University; Frg), U. Heber (Kiel University; Frg), A. Heck (Strasbourg Observatory; France), P.Hill (St Andrews, University Of; Uk), L.Houziaux (Liege University; Belgium), C.Jeffery (St Andrews, University Of; Uk), J.Kaufmann (Berlin Technical University; Frg), D.Kilkenny (South African Astronomical Observatory; S Africa), D.Klinglesmith (Nasa, Goddard), A.Lynas-Gray (Oxford, University Of; Uk), J. Manfroid (Liege University; Belgium), F. Nemry (Liege University; Belgium), D.Pollacco (St Andrews, University Of;

> Uk), N.Rao (Indian Institute Of Astrophysics; India), D.Schoenberner (Kiel University; Frg), H. Walker (Nasa, Ames)

V348 is a unique object: it is classified as i) the hottest known RCrB star (with Teff=20000K); ii) a very-late Wolf-Rayet type (WC10) central star of a planetary nebula; iii) a hydrogen-deficient star whose photospheric

composition resembles those of extreme helium stars. This unusual combination opens the possibility to attack the following problems concerning late phases of stellar evolution: a) formation of planetaries with He-enriched central stars; b) formation of RCrB stars and extreme helium stars, c) mass loss processes and the RCrB phenomenon. In the present proposal, the following problems shall be addressed: i) position of V348 Sgr in the HR-diagram ii) chemical composition of the photosphere iii) mass-loss rate of V348 Sgr. The final aim is to determine the mass of the original H-rich shell and to derive the time when the nebular was expelled (onset of superwind).

Prop. Type: G0

Selection Cycle : 87A

-- (JETS) --QUASARS AGN 2451 - "POLARIZATION MAPPING OF THE OPTICAL JET IN 3C273 "

Keywords: QUASAR, JET, IMAGING, POLARIZATION

Proposers: R. C. Thomson (PI; Institute Of Astronomy, Cambridge; Uk),

M.Disney (University Of Wales, Cardiff; Uk), A.Wright (Csiro,

Parkes; Australia)

30273 is one of the nearest known quasars and has a (relatively) high surface brightness optical jet extending 25" from the nucleus. We expect that high resolution optical polarization maps will reveal much structure unresolved from the ground. These maps will be compared with computer simulations which include the magnetic field. Radio polarization maps of comparable resolution will be used to further define the physical state of the jet by providing depolarization and rotation measure maps. By such means it is hoped to identify the in situ acceleration mechanism powering the optical emission, and to set limits on the properties of the surrounding medium.

Prop. Type: GO

Selection Cycle : 87A

QUASARS _AGN -- (RADIO GALAXIES) --

2456 - "PEN-NUCLEAR REGIONS OF RADIO GALAXIES "

Keywords: ACTIVE GALAXIES, RADIO GALAXIES, BROAD LINE EMISSION REGIONS,

GALAXY MERGERS

Proposers: S. M. Simkin (PI; Michigan State University), E.Sadler

(Anglo-Australian Observatory; Australia)

We have picked 3 of the nearest radio galaxies to observe with the HST PC. Recent ground-based observations show that these galaxies are excellent candidates to use as test cases for theories which describe the nuclear "feeding" process in active galaxies. Their proximity will allow the HST to resolve the inner 40 to 50 pc near their nuclei where the transition between the VLBI-Broad Line Emission region and the Narrow Line Emission region takes place. One of these objects, Pictor A, is THE closet BLRG known. We plan to follow up these imaging observations with high resolution spectroscopy during the second cycle of the HST program.

Selection Cycle

: 87A

STELLAR POPULATIONS -- (GALACTIC CENTER) --

2459 - "THE CENTRAL STAR CLUSTER OF THE GALAXY "

Keywords: GALACTIC NUCLEUS, CENTRAL STAR CLUSTER, ACTIVE GALACTIC NUCLEI Proposers: Kwok Y. Lo (PI; Illinois, University Of), J.Biretta (Cfa)

We propose to use the Planetary Camera on the HST to image the Galactic center at 0.1" (850 AU at 8.5 kpc) at 10326 and 8750 A. Recent observations have revealed a multitude of unusual phenomena at the center, suggesting that the Galactic center may be a low energy verion of an active galactic nucleus and may harbor a massive collapsed object. Unambiguous delineation of the central star cluster, which would provide an important constraint on the central mass distribution has been hampered by the inadequate angular resolution of ground-based observations. The HST observations will map directly the structure of the near-IR source, IRS16, which has been the focus of previous ground-based observations to define the central star cluster. The resolution and sensitivity of the proposed observations can also detect and resolve the individual K and M giant stars of the central star cluster, despite the large extinction to the center. Understanding the nearest galactic nucleus will be important for the interpretation of the more energetic active galactic nuclei.

Prop. Type: GO

Selection Cycle

: 87A

INTERSTELLAR MEDIUM -- (LOCAL MEDIUM) --

2461 - "INTERPLANETARY/INTERSTELLAR GAS CONNECTION: SEARCH FOR THE LOCAL CLOUD"

Keywords : INTERPLANETARY MEDIUM, HI CLOUD

Proposers: Rosine Lallement (PI; Cnrs, Department Of Aeronomy; France),
J.Bertaux (Cnrs, Department Of Aeronomy; France), E.Chassefiere
(Cnrs, Department Of Aeronomy; France), R.Ferlet (Institute For Astrophysics, Paris; France), A.Vidal-Madjar (Institute For Astrophysics, Paris; France)

We propose to use HST/HRS (R=10E5) in order to detect interstellar lines on some of the nearest stars: alpha Cen-A(1.3 pc), alpha CMa(2.7 pc), alpha Aql (5 pc), alpha Lyr (8.1 pc). Up to now, no optical lines have been detected towards those stars, except for alpha Aql (faint CaII, NaI absorptions). In the UV, lines can be found which are much stronger than in the visible, giving at high resolution the precise velocity and density structure of the nearby gas. The aim of this study is the determination of the characteristics of the parcel of ISM in which the sun is embedded (the "local" cloud): its heliocentric velocity vector (3 components), its temperature and state of ionization. Absorption lines to be observed are NI, OI, CI, SI, MgI, CII, FeII, SII, MgII, SIII, SIII, SIIII. These results will be compared to UV backscattered emissions of H and He in the solar system, which indicate V(H)=20 Km/s, T(H)=8000K, n(H)=.06at/cc and give precisely (within 3 degrees) the direction of the flow. If these characteristics are not compatible, it will bring constraints on the modifications of the neutral interstellar gas when penetrating the heliosphere. At present,

nothing is known about the nature and the dimensions of the transition region between the interstellar and the solar plasma. HST/HRS will provide a unique opportunity to gather primary information on this interaction.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --2472 - "INTERACTING BINARY STARS IN THE CORES OF GLOBULAR CLUSTERS "

Keywords : INTERACTING BINARY STARS; CATACLYSMIC VARIABLE BINARIES; MASSIVE

DISK STARS; GLOBULAR CLUSTER CORES

Proposers: Michael Shara (PI; Stsci), F.Paresce (Stsci)

If Theorists' suggestions are correct, dozens of cataclysmic binaries (formed by tidal capture) and W UMa contact binaries, (and perhaps a few massive disk stars and/or 1 or 2 low-mass X-ray binaries) should be found in the inner few core radii of every globular cluster. These objects (if they exist) are the dominant dynamical energy sources and sinks of their host clusters. Testing the long-standing prediction of these objects' existence is crucial in advancing our understanding of the structures and evolution of globulars, and is the main thrust of this proposal. We will use the expected time variability and/or the extremely blue colors of these binaries, and the HST Faint Object Camera to: 1) demonstrate that these objects exist in globular cores, and 2) determine preliminary orbital period distributions, radial gradients in globulars, and luminosity functions. The high angular resolution and ultraviolet sensitivity of HST and the FOC are crucial to the success of this program. All three targets are in HST's continuous viewing zone, and thus the proposed observations make extremely efficient use (75%) of HST time.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) --2474 - "ABUNDANCES OF VERY HEAVY ELEMENTS IN THE EARLY GALAXY " Keywords: CHEMICALLY PECULIAR STAR, NUCLEOSYNTHESIS, ABUNDANCE

Proposers: John J. Cowan (PI; Oklahoma, University Of), C. Sneden (Texas,

University Of), J.Truran (Illinois, University Of)

We propose to search for spectral lines indicating the presence of the very heavy elements platinum, iridium and osmium in two very old, metal-poor halo stars, and to determine the elemental abundances. These lines, being weak and in the ultraviolet, have never before been detected in metal-poor stars. The abundances of these r-process nucleosynthesis products in halo stars will serve to provide important constraints both on the early history and chemical evolution of the Galaxy and, indirectly, on the age of the Galaxy and the universe.

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (PECULIAR/INTERACTING) --

2476 - "NGC1316 (FORNAX): A CASE STUDY FOR GALAXY MERGING AND NUCLEAR ACTIVITY" Keywords: ELLIPTICAL GALAXY, NUCLEAR ACTIVITY, MERGERS, JETS, DUST-LANE,

OPTICAL EMISSION

Proposers: W. B. Sparks (PI; Stsci), D. Carter (Royal Greenwich Observatory;

Uk), F. Macchetto (Stsci), R. Smith (Durham University; Uk),

A. Wilkinson (Manchester, University Of; Uk)

The nearby radio galaxy NGC1316 (Fornax A) offers the best opportunity for HST to utilize its unique capabilities in the investigation of several important astrophysical problems related to galaxy nuclear activity, merging and the nature and evolution of the interstellar medium, together with the interplay between these components. We wish to utilize the unique spatial resolution of HST to determine in NGC1316 the stellar and gaseous kinematics of the compact core region, to map the continuum light distribution of the inner few kpc, to map the spatial distribution of dust and its wavelength dependance of extinction, and to determine the distribution of emission line gas. This will reveal information on the structure of the galaxy particularly within the core, on whether gas is being fed directly onto the nucleus to fuel the activity, on the evolution of grain properties in hostile environments, on the detailed structure of shells within the galaxy, and on the emission line excitation mechanism for extended low excitation emission line gas. In addition we will be presented with a clear view of perhaps the nearest radio-jet/gas-cloud interaction.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (GAS DUST) --

2478 - "THE DISTRIBUTION OF GAS IN THE RADIO AND COOLING FLOW GALAXY NGC4696 " Keywords : GALAXIES: ELLIPTICAL GALAXY, NUCLEAR ACTIVITY, COOLING FLOW,

DUST-LANE, OPTICAL EMISSION

Proposers: W. B. Sparks (PI; Stsci), F. Macchetto (Stsci)

Planetary Camera images in V,R, and Ha + [NII] of the nuclear regions of NGC4696 - the radio galaxy at the center of the Cenaturus Cluster and prime cooling flow candidate - will enable us to determine the topology and geometry of emission-line gas clouds and of the dust lane. This will give vital information on densities, filling factors and the properties of the dust, to assess whether the filaments arise fro thermally unstable cooling condensations or from infall. The data will complement GTO FOC images in the blue and existing ground V,R, and Ha + [NII] data.

Prop. Type: GO Selection Cycle : 87A

SOLAR SYSTEM -- (COMET) --

2481 - "HST OBSERVATIONS OF PERIODIC COMETS "

Keywords : COMET

Proposers: Harold A. Weaver (PI; Stsci), M.A'Hearn (Maryland, University

Of), C.Arpigny (Liege University; Belgium), P.Feldman (Johns

Hopkins University)

The volatile composition of comets is a key diagnostic of cometary formation environments. The trace molecular composition of cometary nuclei, in particular, can be used to infer the physical and chemical state of the solar nebula or of the interstellar cloud from which the nebula condensed. Measuring these molecular abundances is extremely difficult due to the intrinsic weakness of the emissions from the trace species and can normally be attempted only on exceptionally bright comets. The advent of HST extends the feasibility of observing trace molecules to relatively faint, periodic comets. Thus, the compositions of "new" and "old" comets can be compared systematically. We propose using the FOS to obtain the volatile inventory in the brightest periodic comet appearing during the first HST GO cycle. Current the best candidate appears to be Comet Hartley-2 which reaches perihelion during September 1991. Simultaneous UV and visible spectra will be used to measure the abundances of the important carbon-, nitrogen-, and sulfur-bearing species in the nucleus. The geometry of Hartley-2's apparition is particularly favorable making it an excellent candidate for HST observations.

Prop. Type: GO Selection Cycle : 87A

SOLAR SYSTEM -- (COMET) -- 2483 - "THE VOLATILE COMPOSITION OF NEW COMETS "

Keywords : COMET

Proposers: Harold A. Weaver (PI; Stsci), M.A'Hearn (Maryland, University

Of), C.Arpigny (Liege University; Belgium), P.Feldman (Johns

Hopkins University)

The volatile composition of a comet is a sensitive indicator of its formation environment. In particular, the relative abundances of trace molecules in cometary nuclei can be used to infer the physical and chemical state of either the solar nebula or the interstellar cloud from which the nebula condensed. We propose using the FOS to obtain the volatile inventory in a bright, new comet that appears during the first GO cycle. Simultaneous UV and visible spectra will be used to measure the abundances of the important carbon-, nitrogen-, and sulfur-bearing species in the nucleus (e.g., CO, CH4, CO2, NH3, N2, HCN, CS2, S2). Serendipitously our program will also provide sensitive observations of any possible new cometary species, including a variety of diatomic molecules (e.g, SO, NO, SH, H2). By using a pair of FOS apertures, information will be obtained on the spatial brightness distribution of the species allowing discrimination between molecules that are present as ice in the nucleus and those that are produced by the destruction of more complex molecules in the nucleus (e.g., from the breakup of organic molecules which coat cometary grains).

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (EARLY EVOLUTION) --

2485- LT - "SLEUTHING THE DYNAMO "

Keywords: OPEN CLUSTER, DWARF, MS STAR, CHROMOSPHERE, CORONA

Proposers: Thomas R Ayres (PI; Colorado, University Of), S.Antiochos (Us Naval Research Laboratory), G.Basri (California, University Of,

Berkeley), J.Bookbinder (Cfa), A.Brown (Colorado, University Of), G.Doschek (Us Naval Research Laboratory), J.Linsky (Colorado, University Of), L.Ramsey (Penn State University), T. Simon (Hawaii, University Of), J. Stauffer (Nasa, Ames), R. Stern (Lockheed Palo Alto Research Labs), F. Walter (New York,

State University Of (Stony Brook))

Innovative technologies in the 1990s will open new windows to the interior of the Sun and its hidden dynamics: the GONG project for helioseismology; rare-earth detectors for solar neutrinos; and SOLAR PROBE for high-order moments of the mass distribution. At the same time, newly-commissioned space observatories will provide unprecedented views of the vacuum- UV and X-ray emissions of stars in our Galactic neighborhood. These seemingly unrelated developments are in fact deeply connected. A central issue of solar-stellar physics is the nature and origin of magnetic activity: the profound link between the interior dynamics of a late-type star and the violent state of its outermost coronal (>106 K) layers. As solar physicists are unlocking the secrets of the hydromag- netic dynamo deep inside the Sun, we will apply one of the powerful new astronomical tools of the 1990s -- the HST -- to document the early evolution of the dynamo and its assoc- iated external gas-dynamic activity. In particular, we will obtain high-S/N FUV spectra of young solar-type stars in open clusters ranging in age from 1/100-th to 1/10-th the Sun.

Prop. Type: GO

Selection Cycle : 87A

-- (JETS) --QUASARS AND AGNS 2488- LT - "THE NATURE OF EXTRAGALACTIC SYNCHROTRON JETS "

Keywords: AGN, RADIO GALAXY, QUASAR, MORPHOLOGY, KINEMATICS RADIO Proposers: George K Miley (PI; Leiden University; Netherlands), R.Blanford

(California Institute Of Technology), A.Bridle (National Radio

Astronomy Observatory), H.Butcher (Kapteyn Observatory;

Netherlands), T. Heckman (University Of Maryland), F. Macchetto

(Space Telescope Science Institute), R.Schilizzi

(Radiosterrewacht Dwingeloo; Netherlands), W. Van Breugel

(University Of California, Berkeley), A. Wilson (University Of

Maryland)

The HST should realize a dramatic breakthrough in our understanding of synchrotron jets and their palce in AGNs for the following reasons: the sizes of radio-jet knots and those of the gaseous nuclei through which these jets propagate, are optimally matched to the spatial resolution of the HST. Hence, for the first time, the Space Telescope will allow a large

number of jets to be detected in the optical. Optical line and continuum observations provide a powerful and unique battery of diagnostics for probing jets and their environment, particularly when combined with radio continuum measurements. Here we outline a strategy designed to exploit the HST optimally for these studies. This incorporates: (i) Continuum imaging to investigate particle acceleration mechanisms, pinpoint their locations and constrain the processes by which energy in jets is made visible. (ii) Line imaging and split spectroscopy to probe the morphology, kinematics and physical conditions of the gas through which the jets are propagating and with which they are interacting.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (CIRCUMSTELLAR MATTER) -- 2490 - "HIGH RESOLUTION OBSERVATIONS OF SYMBIOTIC NOVAE "

Keywords: BIPOLAR NEBULAE, OLD NOVAE, DUST, JETS, SYMBIOTIC STARS Proposers: Robert E. Stencel (PI; Colorado, University Of), E.Brugel

(Colorado, University Of), M.Friedjung (Institute For Astrophysics, Paris; France), S.Kenyon (Cfa, Cambridge Mass.),

S.Kwok (Calgary, University Of; Canada), J.Mikolajewska

(Nicolaus Copernicus University, Torun; Poland), H. Nussbaumer (Zurich Astronomy Institute; Switzerland), F. Paresce (Stsci),

R. Viotti (Space Astrophysics Institute, Frascati; Italy)

The aim of this project is to study the nature of selected symbiotic variables characterized by nova explosions: AG Peg, V1016 Cyg, and R Aqr. Radio and optical observations provide evidence of small, asymmetric nebulae, probably associated with recent outbursts. The unique FOC capabilities will be used for high spatial resolution long-slit spectrophotometry to determine the electron density and temperature, chemical composition, and the velocity field in the different regions of the envelopes of these interacting binaries.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --

2492 - "CONDUCTIVE INTERFACES IN STELLAR WIND BUBBLES "

Keywords: WIND, NEBULA, TEMPERATURE, DENSITY

Proposers: Richard Mccray (PI; Colorado, University Of), M.Bergoffen (Colorado, University Of), Y.Chu (Illinois, University Of),

M. Mac Low (Ames Research Center, Nasa), J. Slavin (Wisconsin,

University Of), D.Van Buren (Stsci)

We propose to observe the conductive interfaces of the stellar wind bubbles in the Rosette Nebula and Sharpless 308. These observations will allow us to understand the physics of conductive interfaces. Evaporation in these structures determines both the dynamics of stellar wind bubbles, and the overall mass and energy balance of the interstellar medium. We have chosen nearby bubbles with hot stars within them. Wewill observe the absorption

lines of the ions N V, Si IV, and C IV that occurat the temperatures found in conductive interfaces. We will model the resulting lines with an existing non-equilibrium model of an interface including saturated conduction. This will yield the strength of the evaporation in the interface.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (JETS) --

2493 - "IMAGING AND SPECTROSCOPY OF MARKARIAN 78 "

Keywords : SEYFERT GALAXY, EMISSION LINES, JETS, DYNAMICS

Proposers: D. Mark Whittle (PI; Virginia, University Of), A. Wilson

(Maryland, University Of)

We aim to study the interaction between jets and the interstellar medium in the central few kpc of the Seyfert galaxy Markarian 78. In a recent long-slit survey of Seyfert galaxies, MKN 78 was identified as the outstanding example in which [OIII] lambda5007 profile structure clearly reveals the interaction between radio jets and the interstellar medium. Even in this optimum case, however, the important structures are within a few arcsec of the nucleus, and HST resolution is needed to trace the interaction in detail. We shall take a narrow band [OIII] image with the PC and 3 parallel long-slit FOC spectra, chosen to intercept the fine scale radio structure revealed by a new 2 cm VLA radio map (0. "1 resolution). These observations will allow us to define the velocity and intensity distributions of the emission components over the nuclear regions. We shall be able to test two current models: acceleration and compression behind the lobe bow shock and entrainment along the length of the jet. In addition, we shall answer many other questions about the nature of the jet interaction (see main case for support).

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OLD FIELD STARS) -- 2495 - "THE AGE(S) OF THE SCULPTOR DWARF SPHEROIDAL GALAXY "

Keywords: DWARF SPHEROIDAL GALAXY, LUMINOSITY FUNCTION, STELLAR POPULATION Proposers: Gary S. Da Costa (PI; Yale University), P.Seitzer (Stsci)

PC imaging of two fields near the center of the Sculptor dwarf spheroidal galaxy will be used to construct c-m diagrams and luminosity functions that reach more than two magnitudes fainter than the turnoff expected for the oldest possible stars in this system. With these data we will investigate the mean age, and the age range of the stellar population of this dwarf galaxy. Knowledge of these quantities is a prerequisite for understanding the evolutionary history of this galaxy in particular, and of galaxies of this class in general. The HST is required for its faint limiting magnitude capability, which enables stars well below the turnoff to be detected, and for its high resolution capability that will allow such stars to be accurately measured.

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --2497 - "THE GLOBULAR CLUSTER SYSTEM IN THE FORNAX DWARF SPHEROIDAL GALAXY: PHYSICAL PARAMETERS AND CHRONOLOGY"

Keywords : GLOBULAR CLUSTERS, DWARF GALAXY, POPULATION II

Proposers: Robert J. Zinn (PI; Yale University), R.Buonanno (Rome,

University Of; Italy), C.Cacciari (Bologna, University Of; Italy), C.Cacciari (Bologna, University Of; Italy), G.Clementi (Bologna, University Of; Italy), C.Corsi (Rome, University Of; Italy), E. Hardy (Laval University; Canada), F. Pecci (Bologna,

University Of; Italy), N.Suntzeff (Ctio, Noao)

Observations with the PC will be used to construct color-magnitude diagrams of the five globular clusters in the Fornax Dwarf spheroidal galaxy. The HST is required because only it has the resolution and faint limiting magnitude that will allow us to do precise photometry to main sequence turnoff in the central areas of these clusters, where cluster stars greatly outnumber field stars. From the c-m diagrams, we will determine (i) the mean magnitudes of the horizontal branches (HB) of the clusters, (ii) the morphologies of their HB's, (iii) the ratios of their numbers of red giant and horizontal branch stars and (iv)the ages of the clusters. Measurement (i) will indicate how the luminosity of the HB in globular clusters varies with metal abundance; hence it will have a major impact on the Population II distance scale and the dating of globular clusters in the Milky Way. (ii), (iii), and (iv) will indicate if the Fornax clusters are similar to the globular clusters of the Milky Way in terms of HB morphology as a function of metallicity, the abundance of helium, and age. This information will im- prove our understanding of the evolution of Fornax and will indicate if the properties of its clusters are consistent with the idea that the halo of the Milky Way formed out of the destruction of many Fornax-like dwarf galaxies.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AND AGNS -- (SEYFERTS) --2498 - "THE NARROW AND VARIABLE EMISSION LINES IN NGC 4151 "

Keywords: SEYFERT, JET, SPECTRA

Proposers: Marie-Helene Ulrich (PI; European Southern Observatory; Frg), A.Altamore (Instituto Astronomico Dell'Universita, Rome; Italy), A. Boksenberg (Royal Greenwich Observatory, Hailsham; Uk),

G.Bromage (Rutherford And Appleton Laboratory, Chilton; Uk), J. Clavel (Esa Iue Observatory, Madrid; Spain), A. Elvius (Stockholm Observatory; Sweden), R.Fosbury (St-Ecf; Frg),

M.Penston (Royal Greenwich Observatory, Cambridge; Uk), G.Perola (Instituto Astronomico Dell'Universita, Rome; Italy), M.Pettini

(Anglo Australian Observatory; Australia), M.Snijders

(Astronomisches Institut Tuebingen; Frg)

Two narrow emission lines at 1518A and 1594A respectively (hereafter called

L1 and L2) with intensities varying on time scales of day(s) have been found in the UV spectrum of NGC 4151. These lines are too narrow to be emitted by the entire broad line region. Therefore, regardless of their identifications, they must come from localized regions with a special excitation mechanism, possibly a two-sided jet. We propose to observe the structure of L1 and L2 with a resolution of 15-30 km/s and to study its variations on a time scale of 2 days by taking a ~ 1 hour spectrum of L1 (G140M) and a ~ 1 hour spectrum of L2 (G160M) and to repeat these 2 spectra 2 days later. We propose to complement these high resolution spectra with 2 ten minute spectra with G140L to measure the continuum and the entire profile of the CIV line. Similar low resolution spectra taken 2 and 4 days before and after the high resolution observations will provide information on the time delay between the intensity variations of L1 and L2.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) --

2502- CT - "GRAVITATIONAL MICROLENSING "

Keywords : QUASAR, PHOTOMETRY

Proposers: Sjur Refsdal (PI; Hamburg Observatory; Frg), P. Crane (European

Southern Observatory; Frg)

Images of QSO 2237+0305 will be compared to look for variations in the luminosity ratios of the components. Such variations would be an observational proof of microlensing. Variations of about 0.05 mag/year are expected in two of the images if the quasar radius is 0.1 l.y. or less. HST spatial resolution is required to allow the precise comparison of the QSO components of the lensed system.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (X-RAY BINARIES) --2513 - "THE UV ORBITAL LIGHT CURVE OF THE X-RAY BINARY X1822-371 "

Keywords : STARS: INTERACTING BINARY, ECLIPSING BINARY, X-RAY STAR- SURFACE

PHENOMENON: ACCRETION

Proposers: K. O. Mason (PI; London, University College; Uk), P.Charles (Royal Greenwich Observatory; Uk), F. Cordova (Pennsylvania State University), S. Ilovaisky (France Observatory; France),

J. Thorstensen (Dartmouth College), J. Van Paradijs (Amsterdam

University; Netherlands)

We are proposing to obtain the first far-UV orbital light curve of an eclipsing low-mass x-ray binary by making FOS observations of the 15th. magnitude system x1822-371. The shape of the UV light curve will be used to determine the geometry of the hottest, X-ray illuminated parts of the accretion disk in the system and will provide information that is crucial to determing whether the disk in this X-ray binary system has a thick, structured rim as presently believed. The FOS data will also permit us to construct light curves of the flux in the high excitation UV emission lines

such as CIV 1549A allowing us to determine where they are formed in the system and investigate how they are excited. This will be the first detailed study of UV emission from a member of this important class of X-ray binary, and can only be done with HST.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) --

2524 - "SPECTROPOLARIMETRY OF BRIGHT QUASARS " Keywords: QUASAR, CONTINUUM, RADIATION

Proposers: Chris Impey (PI; Arizona, University Of), M. Malkan (California,

University Of, Los Angeles)

We request 5.5 hours with the FOS to obtain the first ultraviolet polarimetry of the five bright quasars. They have been specifically selected from a large optical polarimetric survey; their measured U,B,V,R and I colors and polarizations indicate the absence of contaminating starlight, dust or blazar components. These observations will be combined with quasi-simultaneous ground based polarimetry and spectrophotometry, to double the spectral coverage into the critical UV region. These data will be analyzed with multiwavelength fitting techniques. Several emission mechanisms contribute to the optical-ultraviolet continuum in quasars, including a power law of slope ~ 1(Sv proportional to v -1), an optically thick thermal component which peaks in the ultraviolet, and occasionally a highly polarized and variable synchroton power law. The combined UV and optical spectropolarimetry will determine, for the first time, the polarization of these individual components, including that of the strong ultraviolet excess. We will check to see if the observed polarization can be fully explained by a synchrotron component or external scatterers (electrons or dust). If, however, the observed rise of polarization into the blue is attributable to an accretion disk with an electron scattering atmosphere, we will infer its optical thickness, shape and orientation. Thus HST spectropolarimetry provides a unique test of the physical emission mechanisms which produce the energy of quasars.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (NEUTRON STARS) --

2525 - "SEARCHING FOR THE GEMINGA (1E 0630+178) COUNTERPART WITH MULTI-COLOUR PHOTOMETRY"

Keywords: GEMINGA-IDENTIFICATION-X/GAMMA RAY SOURCES-NETRON STAR Proposers: Giovanni F. Bignami (PI; Cnr, Institute Of Cosmic Physics;

Italy), P. Caraveo (Cnr, Institute Of Cosmic Physics; Italy),

S.Mereghetti (Cnr, Institute Of Cosmic Physics; Italy)

The optical identification of 1E0630+178 is a long-standing puzzle for which the resources of ground-based astronomy have definitely been exhausted. The importance of understanding the nature of this object lies not only with the X-ray source, in itself unique, but also because it is

most likely associated with the high-energy gamma-ray source Geminga, With a gamma-ray/X-ray flux ratio of about 1,000, and the same again (or more) X-ray/optical, the source is very likely to be associated with a compact object, probably a neutron star, as suggested also by the reported X-ray periodicity. The ST with multi colour photometry by the FOC can clearly help investigate the best optical candidate found so far (mb=26.5), and also look for others.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM -- (MINOR PLANETS) --

2530 - "HIGH RESOLUTION MAPPING OF THE UV ALBEDO AND CH4 DISTRIBUTION ON PLUTO"

Keywords: PLUTO, PLANET, SOLAR SYSTEM.

Proposers: Alan Stern (PI; Colorado, University Of), M.Buie (Stsci),

L.Trafton (Texas, University Of)

Pluto's surface has never been resolved. The purpose of this proposal is to map Pluto's albedo distribution at the highest possible resolution in several key UV and visible filter bandpasses, including methane. The scientific objectives are to study (a) the distribution of light and dark areas. (b) the distribution of surface frosts. The objectives have not been previously addressable and are essential to understanding the surface morphology, atmospheric volatile transport and the root cause of Pluto's atmosphere (Elliot, el al. 1988). Owing to Pluto's elliptic orbit, we expect the distribution of methane frosts to substantially change (on a years-decade timescale) as Pluto draws away from perihelion, beginning in 1989. The proposed observations will permit HST to begin tracking this phenomenon essentially at its start. The UV imaging capabilities of the FOC give ~ 30 degree longitudinal resolution on Pluto, depending upon the in-flight point spread function and scattered light performance. PC images in the methane absorption band at 8900A and the adjacent continuum, while of lower resolution (45 degrees), will be suitable to correlate albedo spots with methane distribution. No astronomical instrument other than HST has sufficient spatial resolution to make such maps. The GTO imaging proposals for Pluto do not address our scientific objectives because they neither obtain maximum resolution globality

Prop. Type: GO Selection Cycle : 87A

STELAR POPULATIONS -- (GALACTIC CENTER) --2534- LT - "HIGH RESOLUTION IMAGING OF THE GALACTIC CENTER AT 1 MICRON "

Keywords : GALACTIC STRUCTURE: NUCLEUS

Proposers: Eric E. Becklin (PI; Ucla), J.Henry (Hawaii, University Of),

D. Simons (Hawaii, University Of)

We propose to acquire a deep 1 micron image of the Galactic center using the PC configuration of the HST. With such an image, it will be possible to resolve structure on a scale of about 1000 AU at the Galactic center, thereby providing valuable morphological information about the complex IRS

16 region. The acquired data will also provide intrinsic color information about stars in the Galactic center and establish an astrometric base that can be used in the future to measure the proper motions of the stars in and around IRS 16.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (LOCAL MEDIUM) --

2536 - "DEUTERIUM IN THE LOCAL INTERSTELLAR GAS "

Keywords: INTERSTELLAR DEUTERIUM ABUNDANCE; LOCAL INTERSTELLAR MEDIUM Proposers: Alfred Vidal-Madjar (PI; Institute For Astrophysics, Paris; France), R.Ferlet (Institute For Astrophysics, Paris; France), R.Lallement (Cnrs, Department Of Aeronomy; France)

Evaluation of the primordial deuterium abundance is one of the few crucial observational constraint one may be able to place on cosmological models. Several approaches were attempted, but none up to now has produced a clear-cut answer. Even the best available estimations, completed in the interstellar medium through the Lyman lines of HI and DI, lead to evidences of variations up to a factor of four. In the local interstellar medium, fluctuations seem to exist over scales of few parsecs. It is of prime importance to check the existence of these local variations and eventually understand their causes. HST with HRS is best adapted to perform this analysis started with Copernicus and the IUE. In particular, its high sensitivity allows to use also white dwarfs as target stars at the Lambda/Delta Lambda = 105 resolution. These observations will dramatically improve the previous error bars because: 1) the stellar continuum is well known, 2) the detailed line of sight structure is observable; 3) the HI content in each individual component is accessible. Furthermore, from an extensive high resolution ground-based survey we have completed toward nearby stars, we pointed out the presence of several local velocity components. In consequence, we have eliminated regions in the sky where only averaged cloud properties are accessible-we are looking for local fluctuations-and selected regions where confusion is minimized. The expected refined evaluation of the deuterium

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (LOCAL MEDIUM) --2537 - "PHYSICAL CONDITIONS OF INTERSTELLAR GAS WITHIN 50 PARSECS " Keywords: PHYSICS OF THE INTERSTELLAR MEDIUM, LOCAL INTERSTELLAR MEDIUM Proposers: Roger Ferlet (PI; Institute For Astrophysics, Paris; France), J. Ballet (Atomic Energy Commission, France; France), R. Lallement (Cnrs, Department Of Aeronomy; France), A. Vidal-Madjar (Institute For Astrophysics, Paris; France)

Models of the diffuse interstellar medium still lack definite observational proofs, in particular on small scale lengths (<10pc). They predict interfaces between cold dense clouds and a hot "coronal" very tenuous

widely spread phase. These interfaces need to be directly obseved and studied because they offer a unique chance to understand the role of shocks, the nature of the evaporation zones, the grain destruction, the extent of the warm gas phase. All these problems can only tackled in details in the very local interstellar medium where the low column-densities of individual absorption regions are not hidden and can be well enough located. From ground-based studies, we have pointed out a new image of the nearby instellar medium. At least four velocity components are present within 20 pc. For two of them, we were able to delineate approximate frontiers toward which it is very promissing to search for interfaces. Furthermore, we found some evidence for a temperature structure within one of these components, providing therefore a prime target. Since visual observations do not offer adequate diagnostic lines and available UV data do not have the needed spectral resolution, we propose to perform with HRS a much more complete physical study of the cold and warm local gas. The selected diagnostic lines are those of NI, AlII, FeII, MnII, MgI, OI and CIV, to be observed toward nearby stars in directions where confusion betwee

Prop. Type: GO

Selection Cycle : 87A

-- (GIANT PLANETS) --SOLAR SYSTEM

2541 - "UV PHOTOMETRIC STUDIES OF NEPTUNE"

Keywords: PLANET NEPTUNE, PHOTOMETRY, UV

Proposers: Wayne R. Pryor (PI; Colorado, University Of), C.Hord (Colorado, University Of), R.West (Jet Propulsion Laboratory)

We propose to use the HST FOC to obtain images of Neptune in 5 filters from 2100-3100A. These observations complement observations to be made by the Voyager 2 Photopolarimeter experiment which will make photopolarimetry measurements of Neptune at 2650A in August, 1989 at a variety of phase angles. FOC observations are preferred over WFPC because of higher spatial resolution, and the presence of 5 medium bandpass filters in this wavelength range where WFPC has only 2 wide bandpass filters. Each filter samples a different level in the atmosphere, providing vertical information. The combined data sets will provide constraints on the physical structure, location and identity of Neptune's stratospheric aerosols. Only HST can provide the high-resolution images needed to better understand the optical properties of Neptune's aerosol layers at many latitudes throughout the nearuv.

Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES) --

2542 - "THE CHEMICAL COMPOSITION AND PHYSICAL STATE OF IO SURFACE MATERIALS "

Keywords : SATELLIE IO, SATELLITE CALLISTO

Proposers: Robert M. Nelson (PI; Jet Propulsion Laboratory), B.Buratti (Jet

Propulsion Laboratory), A.Lane (Jet Propulsion Laboratory),

D.Matson (Jet Propulsion Laboratory)

We propose to determine the spectral geometric albedo of Jupiter's satellite, Io at 1A resolution in the spectral range 2000-3000A. The result of this research will form an important means of determining the physical state of the sulfur dioxide which has been previously identified to be present in the gaseous phase over Io's hot spots and in the solid state on its surface. It will also be able to better define the spatial distribution of the Io's solid phase sulfur dioxide on Io's surface.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OLD FIELD STARS) --

2543 - "AGES, AGE SPREADS, BINARIES, AND DARK MATTER IN DWARF SPHEROIDALS "

Keywords : DWARF GALAXIES, PHOTOMETRY, POPULATION II

Proposers: Edward Olszewski (PI; Arizona, University Of), P. Hodge

(Washington, University Of), M.Mateo (Mt Wilson Las Campanas

Observatories), R.Schommer (Rutgers University)

We wish to use the Wide Field Camera to make a deep color-magnitude diagram of the Ursa Minor dwarf spheroidal galaxy, and the Planetary Camera to make similar observations of the Leo I and Leo II dwarf spheroidals. HST is needed because our scientific results cannot be achieved unless photometry is obtained to "V=27, substantially fainter than excellent stellar photometry can be done from the ground. The color-magnitude diagrams and luminosity functions that will be constructed will allow us to answer questions that our ground-based data have posed: the ages of the youngest and oldest significant populations in each galaxy; continuity or bursting of star formation; metal abundance spreads; the reason for the multitude of anomalous cepheids in Leo I; the stellar content of the "clustering" in the Ursa Minor; the potential presence of a substantial binary star population Ursa Minor; and tests for the cause of the large mass-to-light ratio in Ursa Minor.

Selection Cycle : 87A

SOLAR SYSTEM -- (INNER PLANETS) --

2544 - "NIGHTTIME MEASUREMENTS OF NITRIC OXIDE "

Keywords: OCCULTATION, NITRIC OXIDE

Proposers: Cassandra G. Fesen (PI; Dartmouth College), C.Barth (Colorado,

University Of), J.Brandt (Colorado, University Of), R.Roble

(Ncar)

We propose to make the first nighttime measurements of nitric oxide (NO) in the earth's lower thermosphere and mesosphere. Nitric oxide is an important constituent of the earth's upper atmosphere but has been poorly observed. The GHRS on the HST provides an extremely simple and efficient way to measure UV absorption bands of NO using B and/or O target stars acquired by the GHRS for other GO/GTO investigations. Several minutes before the target is occulted by the earth, we request a change of grating to obtain NO altitude profiles. The only time requested for this project is the last few minutes before earth occultation, a period when the instrument would normally be idle. Atmospheric models have demonstrated that NO in the 80-120 km region is quite sensitive to vertical transport, especially at night. The transport is typically parametrized by the eddy diffusion coefficient which is poorly known. The unique HST measurements would test and refine our knowledge of the earth's upper atmospheric diffusion processes.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANCE SCALE) -- 2547 - "CALIBRATION OF SUPERNOVAE OF TYPE I AS STANDARD CANDLES "

Keywords: TYPE I SUPERNOVAE-CEPHEIDS-HUBBLE CONSTANT

Proposers: A. Sandage (PI; Carnegie Institution Of Washington), F. Macchetto (Stsci), N. Panagia (Stsci), G. Tammann (Basel, University Of; Switzerland)

We propose to determine Cepheid distances to four nearby, highly resolved, late type galaxies, which have produced type I supernovae (SNeI). The purpose is to determine how good such SNe are as standard candles in the V band. The distances to these nearby galaxies and the galaxy groups of which they are members will also be directly important in mapping the very local Hubble expansion field. We propose to determine the corrected distances using observations of a selected field in each of the four program galaxies in the V, as well as in the R and I bands, so as to determine the internal absorption of each Cepheid by Freedman's method. Optimized periods and accurate mean magnitude determinations of the Cepheids are the main requirements. Color-magnitude diagrams of the brightest resolved stars will also be obtained and will improve our knowledge of this secondary calibrator. The ultimate purpose is to calibrate the SNeI, freed of absorption effects, for the determination of Ho. We do not propose to begin again the many steps required for the fundamental calibration of the P-L relation. Our more restricted program, which is a necessary complement to the more extensive Key "Hubble Constant" Project is complete within itself for the stated purpose, and will provide an independent

Selection Cycle

: 87A

QUASARS AGN -- (QUASAR ABSORPTION) --2553- LT - "THE ABSORPTION CROSS-SECTIONS OF NEARBY GALAXIES "

Keywords: NEARBY GALAXIES, ABSORPTION CROSS-SECTIONS, INTERSTELLAR MEDIUM,

ABSORPTION LINES, HALOS, DISKS, QSOS

Proposers: John C Blades (PI; Space Telescope Science Institute), M.Penston

(Royal Greenwich Observatory; Uk), M. Pettini (Anglo-Australian

Observatory; Australia)

Absorption redshift systems found in the spectra of QSOs with Zabs < Zem are generally thought to arise in intervening galaxies. They can provide unique information on the physical conditions and distribution of galaxies at earlier epochs which otherwise are difficult to study. Yet, we have little knowledge of the nature and extent of absorbing gas in external systems via direct observations of QSOs shining through intervening galaxies. In this proposal we seek HST time to carry out a statistical determination of the sizes of halos of nearby galaxies to an equivalent width limit of 35 mA in C IV and 70 mA in MgII absorption, for direct comparisons with estimates established from high-redshift QSO systems. For this purpose, we have assembled samples of background QSOs close to low-redshift galaxies for both CIV and MgII. In many cases, these GSO-galaxy pairs were found by ourselves either through searching UK Schmidt objective prism plates or literature surveys.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

2555 - "CATACLYSMIC VARIABLES AND MILLISECOND PULSARS IN GLOBULAR CLUSTER CUSPS" Keywords: GLOBULAR CLUSTER, CORE COLLAPSE, STELLAR EVOLUTION, CATACLYSMIC VARIABLE, X-RAY BINARY, WHITE DWARF, NEUTRON STAR, MILLISECOND

PULSA

Proposers: Jonathan E. Grindlay (PI; Cfa), C.Bailyn (Cfa), H.Cohn (Indiana

University), P.Lugger (Indiana University)

We propose to use the PC to obtain H-alpha and comparison wide band red images of the nearby globular cluster NGC6752 which appears to be in an advanced stage of dynamical evolution. We will use these data for a color map analysis (Bailyn et al. 1988) and DAOPHOT crowded field photometry, in order to: (1) search for H-alpha emission objects including cataclysmic variables and nebulae surrounding millisecond pulsars (MSPs) and planetary nebulae, (2) search for diffuse H-alpha emission from a centrally concentrated population of the former two types of objects, and (3) study the radial distribution of H-alpha absorption line objects including faint blue horizontal branch stars (FBHBs). The central goal of our study is to test predictions of models for cluster dynamical evolution that predict the production of a substantial population of compact binaries due to a high rate of close stellar encounters in dense collapsed cluster cores. Our choice of one of the closest clusters that show evidence of having undergone core collapse enhances the likelihood that the emission line

objects expected from stellar encounters can be directly detected and resolved. Our search is distinctly different from, and more sensitive than, compact binary searches being planned by several GTO investigators.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --

2559 - "THE OLDEST STELLAR POPULATIONS: GLOBULAR CLUSTERS AND THE HISTORY OF THE **GALAXY**ⁿ

Keywords : STARS: GLOBULAR CLUSTER, MAIN SEQUENCE; GALACTIC STRUCTURE: HALO;

LUMINOSITY FUNCTION, MASS FUNCTION

Proposers: James E. Hesser (PI; Dominion Astrophysical Observatory;

Canada), R.Bell (Maryland, University Of), H.Bond (Stsci), G.Fahlman (British Columbia, University Of; Canada), G.Fontaine

(Montreal, University Of; Canada), W. Harris (Mcmaster

University; Canada), F. Hartwick (Victoria, University Of; Canada), R.Mcclure (Dominion Astrophysical Observatory; Canada), C.Pritchet (Victoria, University Of; Canada), C.Pryor (Rutgers University), H.Richer (British Columbia, University Of; Canada), P.Stetson (Dominion Astrophysical Observatory; Canada), S.Van

Den Bergh (Dominion Astrophysical Observatory; Canada), D. Vandenberg (Victoria, University Of; Canada), F. Wesemael

(Montreal, University Of; Canada)

We propose to use the unique imaging capabilities of the PC to make the next major leap in our understanding of the ages and stellar populations of globular clusters in the Galactic halo. These observations will resolve scientific problems that we have worked on for two decades with ground-based telescopes. The immediate plan is to obtain color-magnitude diagrams and luminosity functions for 3 representative clusters in the far halo; these will allow us to measure relative ages to +/- 1 Gyr and determine their main-sequence mass functions. The ultimate goal is to use globular clusters as cosmological probes: to determine the starting epoch and duration of Galactic halo formation, the mass spectrum of star formation and its dependence upon primordial conditions, and the dynamical evolution of gravitational N-body systems. Major support programs include theoretical modeling of the structure and evolution of stars and star clusters, and the development of photometric algorithms optimized for HST data.

Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) --

2560- LT - "INTEGRATED DYNAMICAL AND SPECTROSCOPIC OBSERVATIONS OF JUPITER AND

SATURN"

Keywords: SOLAR SYSTEM-PLANETS, JUPITER AND SATURN, BELTS, ZONES, WIND,

ATMOSPHERE, PLUMES, RED SPOT, OVALS, BARGES, ACTIVE CONVECTION

SITES

Proposers: Reta Beebe (PI; New Mexico State University), S.Atreya

(Michigan, University Of), M.Belton (National Optical Astr Obs), G.Danielson (Caltech), T.Encrenaz (Paris Observatory; France), P.Gierasch (Cornell University), A.Ingersoll (Caltech), S.Lamaye (Wisconsin, University Of), T.Owen (Suny, Stony Brook), W.Rossow (Nasa, Goddard), L.Trafton (Texas, University Of), R.West (Jet

Propulsion Laboratory)

An integrated set of multispectral images and ultraviolet spectra provides the basis for comparative analysis of the atmospheres of Jupiter and Saturn. The spatial resolution and the spectral range of the Hubble Space Telescope, combined with the ability to continue similar observations for at least 17 years, assure that this data will contribute to a valuable database for interpreting the high resolution data from Voyager, Galileo and Cassini. The basic problems that are addressed with these data are: temporal variations of the ammonia clouds, characterization of convention in the upper tropospheres, meridional stratospheric circulation, variation in the troposphere-stratosphere dynamic coupling and seasonal variability.

Prop. Type: GO Selection Cycle : 87A

SOLAR SYSTEM -- (SATELLITES) --

2562- LT - "TITAN'S NORTH-SOUTH ALBEDO CONTRAST "

Keywords: TITAN-ATMOSPHERES

Proposers: Peter H Smith (PI; University Of Arizona), M. Tomasko (University

Of Arizona)

We propose to obtain images of Titan spanning a broad wavelength range every two years in order to study changes in the north-south albedo contrast in Titan's atmosphere. Pioneer data (Tomasko and Smith, 1982) first revealed this north-south asymmetry in the blue channel (contrast=25%), the red showed the effect only weakly; this is evidence that the contrast has a spectral dependence. Voyager data later confirmed these results with higher spatial and spectral resolution from the UV to orange. After a data gap of about a decade, HST again allows enough spatial resolution to study this phenomenon. The important observational data are the variations of contrast with time and wavelength and the accompanying phase lag as compared the seasons and the solar cycle. The scientific questions to be addressed are: Is the effect seasonal, a permanent feature, or correlated with the solar activity cycle? How does the contrast variation relate to the observed variation in the disk-integrated brightness? At what depth in the atmosphere does the albedo change occur? The fundamental parameter(s) of our cloud microphysical models which may simulate the observations include: particle size, composition, haze optical

depth, and condensation cloud optical depth. Our models can also reproduce the time-variable nature of the contrast by varying the aerosol creation rate at the top of the atmosphere at the proper frequency.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (SN SNR) --

2563-LP - "SINS: THE SUPERNOVA INTENSIVE STUDY"

Keywords : SUPERNOVA, NUCLEOSYNTHESIS, INTERSTELLAR ABSORPTION, GALAXY

DISTANCES

Proposers: Robert P. Kirshner (PI; Cfa), J.Blades (Stsci), D.Branch

(Oklahoma, University Of), R.Chevalier (Virginia, University Of), C.Fransson (Stockholm Observatory; Sweden), N.Panagia

(Stsci), J. Wheeler (Texas, University Of)

Supernovae are stars at the end of stellar evolution. They mark the moment of stellar destruction, act as the key process in the chemical evolution of the universe, serve as agitators and probes of the interstellar medium, and provide sharp and useful tools for cosmological investigations. The spatial resolution and ultraviolet ability of Space Telecope make it an essential tool in furthering all of these aspects of supernova research. As SN 1987A has demonstrated, the best progress in this field comes from the detailed study of the brightest objects. Many of the central problems of supernova research can be attacked by intensive and extensive observations of a handful of moderately bright supernovae using the HST cameras and spectrographs over an extended period of time. Observations at the latest times may be the simplest to interpret and provide the best probe of the stellar interior. SN 1987A provides a unique opportunity to connect the evolution of a supernova with the development of a supernova remnant and will be studied in this program. Because supernovae touch on so many fields of astronomy, the results of this study will affect a broad range of areas from stellar interiors to cosmology.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM

-- (GIANT PLANETS) --

2564- LT - "AEROSOLS IN PLANETARY ATMOSPHERES "

Keywords: PLANETS, PLANETARY ATMOSPHERES, AEROSOLS, CLOUDS

Proposers: Martin Tomasko (PI; Arizona, University Of), R. West (Jet

Propulsion Laboratory)

Our goal is to determine the vertical and horizontal distribution and optical properties of stratospheric aerosols in the atmospheres of the outer planets Jupiter and Neptune to constrain models of their photochemical production, vertical and horizontal transport, absorption of solar and thermal radiation, and role in forcing atmospheric dynamics. Observations needed for this purpose include photometry which 1) spans a wide range of wavelengths to permit discrimination in particle size: 2) refers to limited pressure ranges; 3) tracks specific planetary features.

Carefully timed HST WFPC successive telescope orbits permit a wide spread in airmass factors at many planetary longitudes for good vertical discrimination both by the 8888A methane band at long wavelengths and by Rayleigh scattering at short wavelengths. These images at wavelengths separated by a factor >3 also provides good discrimination in the size of small stratospheric aerosols. No other technique is available which can provide either the simultaneous wide wavelength coverage or the spatial resolution to use center-to-limb variations to limit the vertical region probed on the outer planets. In addition, repeating such observations yearly permits temporal changes to be monitored for a new understanding of seasonal variations and the role of the solar cycle in these stratospheres.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (ASTROMETRY) --

2565 - "LINKING HIPPARCOS TO THE EXTRAGALACTIC REFERENCE FRAME PART 1 OF 5"

Keywords: REFERENCE FRAMES, HIPPARCOS, QUASARS

Proposers: Paul D Hemenway (PI; University Of Texas At Austin), N.Argue (The Observatories; England), C.Devegt (Hamburger Sternwarte; Fgr), R.Duncombe (University Of Texas At Austin), J.Hughes (U.S.

Naval Observatory), D. Jauncey (C.S.I.R.O.; Australia),

K.Johnston (U.S. Naval Research Lab), J.Kovalevsky (C.E.R.G.A.; France), J.Kristian (Caltech), J.Lestrade (Bureau De Longitude;

France), M.Perryman (E.S.T.E.C.; Holland), R.Preston (Jet Propulsion Lab), B. Tapley (Univ Of Texas At Austin), C. Turon (Observatoire De Meudon; France), H. Walter (Anstronomische

Recheminstitut; Fgr), G. White (C.S.I.R.O.; Australia)

Determination of a non-rotating Reference Frame is crucial to progress in many areas, including: Galactic motions, local (Oort's A and B) and global (RO) parameters derived from them, solar system motion discrepancies (Planet X); and in conjunction with the VLBI radio reference frame, the registration of radio and optical images at an accuracy well below the resolution limit of HST images (0.06 arcsec). The goal of the Program is to tie the HIPPARCOS and Extra-galactic Reference Frames together at the 0.0005 arcsec and 0.0005 arcsec/year level. The HST data will allow a deter- mination of the brightness distribution in the stellar and extragalactic objects observed and time dependent changes therein at the 0.001 arcsec/year level. The Program requires targets distributed over the whole sky to define a rigid Reference Frame. GTO observations will provide initial first epoch data and preliminary proper motions. The observations will consist of relative positions of Extra-galactic objects (EGOs) and HIPPARCOS stars, measured with the FGSs, or with the FGSs and PC together in "transit circle mode". The combination of HST and HIPPARCOS observations will provide

Selection Cycle

87A

SOLAR SYSTEM -- (MINOR PLANETS) --2569 - "UV ROTATIONAL LIGHT CURVES FOR PLUTO, AND CHARON'S UV SPECTRUM"

Keywords: PLUTO, PLANET SOLAR SYSTEM, CHARON, SATELLITE

Proposers: Laurence Trafton (PI; Texas, University Of), A.Stern (Colorado,

University Of)

We propose to use the unique capabilities of the HST to spatially resolve synchronously rotating Pluto from Charon for a variety of orbital phases and obtain low resolution (20-70A) spectral light curves from 3300A to below 2100A Our objectives include a search for longitudinally varying spectral features, a characterization of the longitudinally varying surface scattering properties, and a determination of the UV survey spectra from 3300A to 2400a of opposite faces of Charon near its elongations. Since significant changes are expected for Pluto's surface over HST's lifetime, and the present perihelion changes will not recur until 2233 Ad, data should be obtained now to serve as a baseline for later comparison or else the oportunity will be irretrievably lost. Only HST can observe below 3000A with the spatial resolution to separate Pluto from Charon and with the sensitivity to get usable signal to noise ratios at spectral resolutions of 20-70A.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (LATE EVOLUTION) --2570 - "RECENT MASS EJECTION FROM PLANETARY-NEBULA NUCLEI"

Keywords: WHITE DWARF, PLANETARY NEBULAE, CENTRAL STARS, STELLAR

EVOLUTION, MASS LOSS

Proposers: Howard E. Bond (PI; Stsci), J.Liebert (Arizona, University Of),

A. Renzini (Bologna, University Of; Italy)

We propose HST FOC imagery of two unusual central stars of planetary nebulae. V605 Aq1, the central star of Abell 58, appeared as a 10th-mag red giant for several years around 1920, but is now fainter than 20th mag and appears to lie inside a compact knot of very hydrogen-deficient nebulosity. HST UV images can directly establish that the central star is now extremely hot, providing the first direct evidence for thermal pulses that are predicted to occur in hot pre-white-dwarfs. 0950+139, the central star of EGB 6, is presently a hot white dwarf, surrounded by a compact, unresolved nebula. FOC imagery in the [O III] and H-beta emission lines will establish one of the following. (1) The compact nebula remains unresolved from HST, implying ongoing mass loss from the white dwarf, for which there is no physical understanding at present, (2) The nebula shows sub-arcsecond structure (a hollow shell, blobs, or jets). implying a discrete mass-ejection event, most probably associated with a "self-induced nova" outburst in the fairly recent past. The latter would again provide evidence for an event theoretically predicted to occur in some hot white dwarfs.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (X-RAY BINARIES) -- 2572 - "TIME RESOLVED UV SPECTROMETRY OF VELA X-1 "

Keywords : X-RAY, SOURCE, BINARY STARS

Proposers: Richard Mccray (PI; Colorado, University Of), T.Kallman (Nasa, Goddard), M.Klis (Esa, Estec; Netherlands), B.Margon

(Washington, University Of), F. Nagase (Isas, Japan; Japan),

Y. Tanaka (Isas, Japan; Japan)

We propose to observe HD77581, the optical counterpart of the X-ray source Vela X-1 (4U0900-40), in order to study the effects of X-ray ionization on the stellar wind from this star. UV Resonance line profile changes with orbital phase predicted by Hatchett and McCray (1977) are a familiar phenomenon in this system. The goals of this observing program are to search for theoretically predicted line profile changes correlated with the 283s pulse period of the compact X-ray source and to study correlations of the UV resonance line variability with X-ray variability in coordinated observations by the GINGA satellite. Observations of such line profile variability can tell us about the geometry of the radiation pattern from the pulsar and the dynamics of the accretion flow.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (H II REGIONS) --2576 - "STAR FORMATION PROCESSES IN THE SPIRAL ARMS OF M51 "

Keywords: STAR FORMATION, HII REGIONS, STELLAR POPULATIONS, MOLECULAR CLOUDS, SPIRAL STRUCTURE

Proposers: Stuart Vogel (PI; University Of Maryland, College Park),

S.Kulkarni (Caltech), C.Norman (Stsci), N.Scoville (Caltech),

R. Wyse (Johns Hopkins University)

Although density waves are commonly believed to trigger the formation of the O stars which mark spiral arms, this hypothesis has been recently challenged. Hubble Space Telescope observations will provide two definitive tests: (1) dating young clusters in M51 using WFC UBVR and H-ALPHA photometry to determine if clusters increase in age downstream from the density wave shock; if they do, we have a unique calibrated clock for the earliest stages of star formation which can be used to infer timescales for assembling giant molecular clouds (GMCs) and for triggering star formation; and (2) detemining whether the molecular dust lanes are complexes of star-producing GMCs or instead inactive diffuse molecular clouds compressed by an MHD shock; GMCs should be detectable by HST in R band images as distinct dark clouds against the old stellar population. Another goal is to test the idea that cloud-cloud collisions are a general mechanism for triggering massive star formation by looking for the expected quadratic variation in the relative spatial density of young (i.e., <1" HII regions and GMCs detected with HST (i.e., a modified Schmidt law).

Selection Cycle

: 87A

-- (QUASAR EMISSION) --QUASARS AGN

2578 - "THE INNER REGIONS OF QUASARS "

Keywords: QUASARS, SPECTRA

Proposers: Beverley J. Wills (PI; Texas, University Of), J.Baldwin (Ohio

State University), I.Browne (Manchester, University Of; Uk),

G.Ferland (Ohio State University), H.Netzer (Tel Aviv

University: Israel)

An axisymmetric geometry for the inner few parsesc of quasars is strongly suggested by several new investigations. A mass-luminosity relation has been suggested as well as a dependence of ionization of the Broad Line Region on continuum luminosity. These recent studies offer exciting prospects for probing the innermost regions by means of orientation-dependent emission line ratios, equivalent widths and profiles, and continuum spectra, including luminosities in the radio, UV, and X-ray regions. We propose to measure the UV line and continuum (FOS) spectra (rest wavelengths>1170A) in a complete sample of 3CR radio quasars extended to include quasars with measured X-ray flux densities and a range of radio core-dominance. These spectra are being extended by ground-based observations to ~8000A, to cover high and low ionization lines in the same quasar, and the HST sample itself is being complemented by higher redshift quasars where the strong lines of Ly-alpha, CIV lambda 1549, and CIIIlambda1909 are being observed from the ground. Some of several questions that we hope to answer are: 1. Is their evidence for massive accretion disks? (via equivalent width distributions and correlations with radio core-dominance for lines of different ionization).2. Are the line widths and fluxes correlated with the radio, UV or X-ray continuum properties? Is the result the same for all lines, in particular Fe II, C IV and H-Beta? What can this tell us about the kinematics and geometry of the BLR 3? What is the origin

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (GLOBULAR CLUSTERS) --2579 - "THE CALIBRATION OF THE WHITE DWARF DISTANCE SCALE FOR GLOBULAR CLUSTERS" Keywords : GLOBULAR CLUSTER, POPULATION II, STAR, WHITE DWARF Proposers: Alvio Renzini (PI; Bologna, University Of; Italy), R. Bohlin (Stsci), R.Buonanno (Bologna, University Of; Italy), C.Corsi (Bologna, University Of; Italy), J.Holberg (Arizona, University Of), J.Liebert (Arizona, University Of), S.Ortolani (Bologna, University Of; Italy), H. Shipman (Delaware, University Of), F. Wesemael (Montreal, University Of; Canada)

Deep Planetary Camera imaging of the nearby Globular Cluster NGC 6752 is proposed in order to verify the possibility of using the White Dwarf cooling sequence for the calibration of the globular cluster distance scale, the determination of accurate distances being a prerequisite for the estimate of reliable cluster ages. The goal is to obtain the distance modulus of the cluster with an accuracy better than ~ 0.1 mag, thus reducing the uncertainty in cluster ages from the current, cosmologically

ambiguous 25% to less than 10%. Four color UBVI photometry of a carefully selected sample of local calibration WDs will allow the determination of accurate color-temperature transformations and bolometric corrections that are required to construct Fiducial Cooling Sequences (FCS) in the various color-magnitude diagrams. The observed cooling sequences for the cluster (separately for DA and non-DA WDs) will then be fit to the corresponding FCSs to determine the cluster distance modulus.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (MASSIVE STARS) --2581 - "STELLAR WINDS OF MASSIVE STARS IN NEARBY GALAXIES "

Keywords: EXTRAGALACTIC STARS, STELLAR WINDS, MASS LOSS, UV, SPECTROSCOPY.

Proposers: Luciana Bianchi (PI; Astronomical Observatory Of Torino; Italy), J.Hutchings (Dominion Astrophysical Observatory; Canada), R.Kudritzki (Munich University; Frg), H.Lamers (Utrecht Laboratory For Space Research; Netherlands), P. Massey (Kpno,

Noao)

We propose to study the stellar wind characteristics of hot massive stars in M31 and M33 by observing with the HST-HRS the profiles of UV resonance lines which are the main wind indicators. The immediate aim is to understand how mass loss rates, and other characteristics of the stellar winds, such as the velocity-laws (i.e. the acceleration) and the ionization, depend on metallicity. The final goal is to understand the evolution of massive stars in galaxies of different chemical composition. The dependence of hot star winds on metallicity is in fact predicted by the theory of radiation-pressure driven winds, but it could be observed so far only in the MCs stars (Hutchings, 1982; Garmany and Conti 1985; Kudritzski et al, 1987). In the past years we have pushed IUE to its limits to observe far UV spectra of the brightest/hottest stars in M31 and M33. In spite of the very low resolution (insufficent for quantitative line analysis) we observed for all the stars of our sample significantly lower terminal velocities and weaker P Cygni profiles than for galactic stars of similar type. The results of this pioneer study (that involved also an extensive ground based observing program) on one hand, and the recent significant improvements of the radiation driven wind theory and treatment of ionization equilibrium in the stellar atmospheres and envelopes on the other hand, show that a high resolution study of the UV lines will be very interesting.

Selection Cycle

87A

-- (GLOBULAR CLUSTERS) --STELLAR POPULATIONS

2583 - "COLOR-MAGNITUDE DIAGRAMS OF A SAMPLE OF GLOBULAR CLUSTERS IN M31"

Keywords: M31, GLOBULAR CLUSTERS, EVOLUTION, IMAGING

Proposers: Flavio Fusi Pecci (PI; Bologna, University Of; Italy),

P.Battistini (Bologna, University Of; Italy), F.Bonoli (Bologna, University Of; Italy), R.Buonanno (Roma Observatory; Italy), C.Cacciari (Bologna Observatory; Italy), G.Djorgovski (Caltech), L.Federici (Bologna Observatory; Italy), I.King (California, University Of, Berkeley), R. Walterbos (California, University

Of, Berkeley)

The main goal of the present program is to contribute improving the accuracy of globular cluster age determinations, an issue with well known implications for both cosmology and galaxy formation theories. Taking advantage of M31 globular clusters being in practice all at the same distance, we suggest to directly determination the slope of the horizontal branch luminosity V(HB) vs metallicity relation (a key ingredient in current dating procedures). This can be done by constructing CMDs from FOC exposures reaching a photometric accuracy of at least 0.1 mag in the magnitudes and colors of the individual HB members. The clusters here selected cover an appropriate range in metallicity and are also suitable to study the HB morphology as a function of metallicity (with the so-called "second-parameter effect", if present in the M31-cluster system) and determine the structural parameters for the clusters (e.g. core and tidal radii, ellipticity, etc). This program represents the essential completion of the GTO/FOC program 1283 which will be carried out by our team, and which concerns a smaller sample of M31 clusters. Parallel WF/PC exposures will also be taken on fields of the M31 bulge and halo (some including other globular clusters), thus extending the number of observed clusters and enabling further study of the M31 field stellar populations.

Prop. Type: GO

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (ABSORPTION LINES) --2584 - "VELOCITY STRUCTURE OF THE INTERSTELLAR SHOCKWAVES "

Keywords: INTERSTELLAR MEDIUM

Proposers: Zhong Wang (PI; Caltech)

High velocity (VLSR~=100km/sec) radiatively cooling shocks may exist in the interstellar medium, but have never been directly confirmed in observation. Theories predict that for the interstellar near-uv absorttion lines associated with the postshock gas, their relative velocities should correlate with the stages of ionization of the absorbing atoms. Hence they are sensitive to the temperature distributions in the shocked gas and are ideal probes of the shock structure. Measurements of the expected velocity differences (on the order of 5km/sec) were not achievable in previous space-based observations, but are within the easy reach of the HRS. We propose to examine this phenomena by observing early type stars in the Orion OB Association with the high resolution mode of the HRS. The proposed program requires only a minimum amount of the HST observing time, since the

two target stars chosen are bright and known to have well separated high velocity interstellar absorption features. If confirmed, this could be the most unambiguous evidence for the radiatively cooling interstellar shockwaves.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (MASSIVE STARS) --

2590 - "DEEP IMAGING OF THE SITE OF SN 1961V, A POSSIBLE EXTRAGALACTIC ETA CARINAE ANALOGUE"

Keywords: EXTRAGALACTIC STAR, IRREGULAR VARIABLE, SUPERNOVA, IMAGING Proposers: Alexei V. Filippenko (PI; California, University Of, Berkeley),

R. Goodrich (California Institute Of Technology), A. Porter (Kpno,

Noao), G.Stringfellow (Mount Stromlo Observatory; Australia)

Analysis of new and old ground-based observations leads us to hypothesize that the unique "Type V Supernova" 1961V in NGC1058 was not a SN (the explosion of a massive star at the end of its life). Rather, it was the super-outburst of a luminous blue variable --- an exaggerated eta Car-type outburst of a very massive, evolved star near the end of core hydrogen burning. The long plateau in the light curve following outburst, at nearly the same brightness as the pre-outburst star, suggests that the progenitor survived the outburst; it later faded only because of the formation of optically thick dust in the ejecta. The underlying star should be a hot Of/WN star. Our observations suggest a circumstellar extinction of Av=5mag, if the surviving star resembles eta Car. The present brightness of the star should be near V=27. We propose to determine whether the star is present by imaging the site of SN1961V with the WFC. The faint star cannot be seen from the ground because of contamination by the underlying HII regions. A detection of the star would have serious ramifications for current models of SNe and luminous blue variables.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI/CORES) --

2591 - "ELLIPTICALS WITH KINEMATICALLY-DISTINCT NUCLEI "

Keywords : GALAXY TYPE: ELLIPTICAL GALAXY; ACTIVE GALAXIES: RADIO GALAXY; GALACTIC STRUCTURE: NUCELUS; ASTROPHYSICS: KINEMATICS, DYNAMICS,

FORMATI

Proposers: Garth D. Illingworth (PI; California, University Of, Santa

Cruz), M.Franx (Cfa)

The recent discovery by Franx and Illingworth of a kinematically-distinct stellar component in the nucelus of the giant radio elliptical IC 1459, and the confirmation by several groups that such components are quite common, has added a valuable diagnostic tool for understanding the structure and the formation of ellipticals. Thirteen examples are now known, from a sample of nearly 50 ellipticals. Several, like IC 1459, have counter-rotating subcomponents, and one, NGC 4406, in which the angular

momenta of the distinct core and the other envelope are orthogonal, could well be an example of an elliptical whose rotation axis is along the long axis. These substantial (=1010 Mo for IC 1459) components are likely to be valuable diagnostics of the dynamical state of the nuclei of ellipticals. Further study will address their formation by investigating whether these components could be the end result of a "starburst" event, or of the accretion and settling of a stellar companion, or of the merging of primordial subclumps. We propose to take advantage of the high resolution imaging capability of HST through a PC multicolor imaging program of 3 examples that are not part of the GTO PC imaging program, with the goal of elucidating the properties of these components and the nuclei within which they reside. These data are an essential complement to an extensive ongoing ground-based spectroscopic and CCD imaging program.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --

2592 - "EMISSION LINE IMAGING OF MODERATE REDSHIFT OBJECTS"

Keywords: GALAXIES, STRUCTURE, GALAXIES, FORMATION, QUASARS, BL LACERTAE

OBJECTS

Proposers: D. G. York (PI; Chicago, University Of), B. Yanny (Chicago,

University Of)

Using intervening QSO metal absorption line systems as tracers, we have searched for and found [OII] emission at moderate redshift. The emission is seen large distances (>100h-1 kpc) from the QSO absorber and possibly indicates an extended diffuse object. We wish to test this hypothesis with ST by obtaining Ly-alpha and off-band images using the WFC and available medium width filters. We will be able to obtain sensitivity limits of S(Ly-apah) > 10-16 erg cm-2 s-1 arcsec-2 for objects extended over (20 arcsec)2=(100h-1kpc)2 at z=0.6 corresponding to 3 x 10-3M yr-1kpc-2 (one large Sc galaxy spread over [100h-1kpc]2). Fully half the age of the universe is represented by redshifts <1 and recent observational and theoretical work indicates that not all galaxy formation necessarily occurred at large redshift z>5. We will also examine the nature of the object less the 1" from the line-of-sight to A00235+164 at z=0.525 using ST's high resolution.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (LATE EVOLUTION) --

2593- LT - "WHITE DWARF STARS "

Keywords: WHITE DWARF, CHEMICALLY PECULIAR STAR

Proposers: Harry Shipman (PI; Delaware, University Of), G.Basri (California, University Of, Berkeley), H.Bond (Stsci),

F.Bruhweiler (Cathhholic University), F.Cordova (Los Alamos National Laboratory), D.Finley (California, University Of,

Berkeley), G.Fontaine (Montreal, University Of; Canada), P. Hintzen (Nasa, Goddard), J. Holberg (Arizona, University Of), K.Jensen (Nasa, Goddard), D.Koester (Louisiana State University), J.Liebert (Arizona, University Of), J.Nousek (Penn State University), T.Oswalt (Florida Institute Of Technology), E.Sion (Villanova University), S.Starrfield (Arizona State University), D.Tytler (Columbia University), G.Vauclair (Toulouse Observatory; France), G.Wegner (Dartmouth College), V.Weidemann (Kiel University; Frg), F.Wesemael (Montreal, University Of; Canada)

HST's unprecedented spectroscopic capabilities, supplemented in some critically important cases by its high spatial resolution, can address a number of outstanding scientific problems relating to white-dwarf stars. It can double the number of solid mass and radius determinations from merely 3 at present to 6, either placing our understanding of the fundamental physics of white dwarfs on a secure observational footing (at last High qualitiy spectra from HST will permit us to address critical questions about the origin of the chemical diversity of white-dwarf stars, a diversity far greater than that found anywhere else on the HR diagram. The answers will critically affect other important areas of stellar astrophysics: for example stellar superwinds, the origin and evolution of planetary nebulae, accretion in close binaries, mass loss, and red giant envelope evolution. A team including many astronomers who have been active in the field for years has agreed to collaborate in this enterprise. Our target list, while primarily directed towards doing outstanding science with the first year of HST data, is also comprehensive enough to establish HST's potential and guide future HST proposals in this field.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OPEN CLUSTERS) -2595 - "THE LUMINOSITY FUNCTION OF THE TRAPEZIUM CLUSTER - AN OBSERVATIONAL TEST
OF BI-MODAL STAR FORMATION MODELS"

Keywords: PMS STAR, OPEN CLUSTER, LUMINOSITY FUNCTION

Proposers: John R. Stauffer (PI; California, University Of, Santa Cruz),
D.Depoy (Kpno, Noao), L.Hartmann (Cfa), B.Jones (California,
University Of, Santa Cruz), D.Soderblom (Stsci), M.Werner (Nasa,
Ames)

We propose to use the Planetary Camera to extend the search for low mass members of the "Trapezium Cluster" to M ~ 0.1 solar masses in order to test theories of bimodal star formation. The immediate goal of these observations is to identify cluster members to V ~ 20, and to derive the cluster luminosity function to that limit. By combining these images with ground-based spectroscopy and IR images, we will derive the initial mass function and test for coeval star formation in the densest star-forming region near the Sun.

Selection Cycle

: 87A

GALAXIES CLUSTERS -- (NUCLEI/CORES) --

2600-LP - "CORES OF EARLY-TYPE GALAXIES"

Keywords : ELLIPICAL GALAXY, SO GALAXY, DWARF GALAXY, LOCAL GROUP, GALACTIC

NUCLEUS, GALACTIC BULGE, SPECTROSCOPY, IMAGING

Proposers: Sandra M. Faber (PI; California, University Of, Santa Cruz),

A. Dressler (Mt Wilson Las Campanas Observatories), J. Kormendy (Hawaii, University Of), T.Lauer (Princeton University),

D. Richstone (Michigan, University Of), S. Tremaine (Toronto,

University Of; Canada)

We propose a comprehensive imaging and spectroscopic study of the cores of early-type galaxies. The high spatial resolving power of HST will be used to search for nuclear black holes and measure core structure parameters over a wide range in core size and luminosity. PC images in wide-V and wide-I will be taken of 13 galaxies covering a range of 6 magnitudes in galaxy luminosity. FOS spectra will be used to determine velocity-dispersion and rotation profiles along the major axes of 5 early-type galaxies considered to be excellent black hole candidates. Ground-based photometry and kinematic data will be obtained to augment HST data at larger radii. The observations will be used to construct dynamical models of the core and exterior regions of spheroids using a maximum-entropy modelling algorithm. We expect to obtain strong evidence of black holes, if any exist in the BH candidates with M > 106-7 Mo. We will also place tight limits (+/-15%) on stellar M/L. A major question which we propose to address is the core structure of small early-type galaxies and the differences between low-luminosity Es on the one hand and dwarf spheroidals and giants Es on the other. We expect that core properties, when studied in conjunction with global structure over a wide magnitude range, w range, will set stringent limits on scenarios for galaxy collapse, gaseous disspiation, and mergers.

Prop. Type: GO

Selection Cycle : 87A

-- (SATELLITES) --SOLAR SYSTEM

2602 - "THE EXCITATION OF THE ATMOSPHERES OF PLANETARY SATELLITES "

Keywords : PLANETARY SATELLITE, PLASMA TORUS, AURORA

Proposers: John T. Clarke (PI; Michigan, University Of), J.Ajello (Jet Propulsion Laboratory), J.Luhmann (California, University Of,

Los Angeles)

We propose to observe Io at near and far UV wavelengths in a set of 3 observations designed to study the excitation of the satellite atmospheres. The distinguishing element of this program is the design of the observations to separate the following processes: resonant scattering of solar emission, charged particle excitation by magnetospheric plasma, and (in the case of Io) the decay of the atmosphere in the absence of solar-driven sublimation from the surface. Io will be observed with the HRS/HST combination in the far-UV over a period of time centered on the passage of Io into eclipse to separate the solar emissions (while sunlit) from particle excited emissions (while in shadow) and the near UV SO2

aurora will be observed while Io is in shadow. The far UV lines of atomic sulfur and oxygen emanate from an extended atmosphere, and are produced by a combination of resonant scattering of solar emission and plasma impact relatively high in the atmosphere. The near-UV bands of SO reflect particle impact on SO2, the parent molecule believed to be driven by sublimation vapor pressure from the surface, and may be excited relatively closer to Io's surface (due to the 3 times smaller scale height) by incident plasma and/or ionospheric processes.

Prop. Type: G0

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (LOCAL MEDIUM) --

2603 - "PARALLEL OBSERVATIONS OF H LY ALPHA EMISSION FROM THE LOCAL ISM "

Keywords: INTERPLANETARY MEDIUM, LISM GAS, SOLAR WIND

Proposers: John T. Clarke (PI; Michigan, University Of), J. Bertaux (Cnrs,

Department Of Aeronomy; France), H.Fahr (Bonn University; Frg), R.Lallement (Cnrs, Department Of Aeronomy; France), F.Paresce

(Stsci)

We propose to observe the sky background H Ly alpha emission in parallel with scheduled observations to study the emission generated by local ISM hydrogen penetrating into the solar system. This component can be observed when the earth orbital motion Doppler-shifts the geocoronal line from the LISM vector. By defining the velocity vector of the interstellar wind (ISW) in the solar system we may identify which of several local clouds in the LISM encompasses the solar system. By a careful measurement of the ISW line shape we may study the temperature of the LISM and interaction of the ISW with the heliospheric bow shock and solar wind. This proposal is solely for parallel observing time.

Prop. Type: G0

Selection Cycle : 87A

GALAXIES CLUSTERS -- (NUCLEI/CORES) --

2607- LT - "BLACK HOLES, STELLAR DYNAMICS AND POPULATIONS IN THE NUCLEI OF A COMPLETE SAMPLE OF ELLIPTICAL GALAXIES"

Keywords: MASSIVE BLACK HOLES; GALACTIC NUCLEI; STELLAR DYNAMICS, STELLAR

POPULATIONS, ACTIVITY

Proposers: Walter Jaffe (PI; Leiden University; Netherlands), H. Ford

(Stsci), R.O'Connell (Virginia, University Of)

We will determine the prevalence of massive black holes in a complete sample of bright Virgo ellipticals using FOS spectra and WFPC surface photometry. We will correlate the dynamical evidence for massive black holes with indicators of nuclear activity (radio and optical emission, and star formation). Additionally, we will use our data to study the stellar dynamics and demography of the 'cores' of these elliptical galaxies. Our observations will establish the fundamental properties of the nuclear regions: photometric profiles, rotation and dispersion velocities, and spectroscopic metallicity indicies. FOC-UV images will reveal the presence of young stars and/or nonthermal emission. We will determine black hole masses by comparing the predictions of self-consistent dynamical models of the core to the observed surface photometry and kinematics. We wil model the stellar populations by comparing the observed metallicities and spectral energy distributions to synthetic spectra constructed from stellar libraries.

Prop. Type: G0

Selection Cycle : 87A

QUASARS AGN -- (OTHER ACTIVE NUCLEI) --2608 - "CONSTRAINTS ON CONTINUUM MODELS OF ACTIVE NUCLEI: FAST ULTRAVIOLET VARIATIONS"

Keywords : ACTIVE NUCLEII/RAPID CONTINUUM VARIABILITY

Proposers: M. J. Ward (PI; Cambridge, University Of; Uk), C.Done

(Cambridge, University Of; Uk), M.Elvis (Cfa), A.Fabian

(Cambridge, University Of; Uk), A.Lawrence (Queen Mary College,

London; Uk)

We propose to use the Fast Photometer to observe fast-timescale ultraviolet continuum variations in Active Nuclei. The two objects selected have the fastest observed X-ray variations down to 100 seconds, an observational limit set by the satellite sensitivity. Importantly, the Fourier Power-Spectrum of the X-ray data shows no sign that we have yet sampled the fastest variations. The large contribution of starlight, even through the smallest apertures, means that no ground-based experiment can approach the sensitivity to short timescales variations that the HSP can potentially observe. The proposed ultraviolet observations can be made near-simultaneously through two ultraviolet filters, giving crude two color spectral information that will help define the characteristics of the variable component. Using the HSP we can improve the time resolution by an order of magnitude, thus setting strong constraints of models of compact source energy generation.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (QUASAR EMISSION) -- 2616 - "IMAGING OF A COMPLETE SAMPLE OF THE NEAREST INFRARED QUASARS "

Keywords : QUASARS, AGN, INFRARED GALAXY

Proposers: D. Sanders (PI; Institute For Astronomy), G. Neugebauer (Caltech), N.Scoville (Caltech), B.Soifer (Caltech)

We propose high resolution imaging with the Planetary Camera (PC) of a complete sample of the nearest infrared quasars that have been discovered in the IRAS database. These objects appear to represent a criticial evolutionary link between ultraluminous infrared galaxies and optical quasars. Ground-based observations suggest that these objects contain a mixture of nuclear starburst and AGN components, both of which are fueled

by a tremendous reservoir of molecular gas that has been funneled into the merger nucleus during the merger of two gas-rich galaxies. PC images in

B,R, and Z filters will be used to trace the distribution of different stellar populations, to separate out point source components, to trace the effects of the merger process in these galaxies, and to search for the presence of bars or other such structures that may serve to funnel gas or stars into the central AGN.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (SEYFERTS) --

2619 - "HIGH SPATIAL RESOLUTION SPECTROPHOTOMETRIC MAPPING OF THE CENTRAL REGION OF NGC 4151"

Keywords: AGN, SEYFERT GALAXY, SPECTROSCOPY, MORPHOLOGY, KINEMATICS, JET Proposers: M. A. Snijders (PI; Astronomisches Institut Tubingen; Frg), A.Altamore (Rome, University Of; Italy), A.Boksenberg (Royal

Greenwich Observatory; Uk), G.Bromage (Rutherford Appleton Laboratory; Uk), J.Clavel (Esa, Iue Observatory; Spain), A. Elvius (Stockholm Observatory; Sweden), R. Fosbury (St-Ecf;

Frg), G.Perola (Rome, University Of; Italy)

NGC 4151 is one of the nearest, most active, Seyferts with the brightest apparent nucleus. This makes it a most suitable object for a detailed morphological and kinematical study of the gas, in the partially resolved, Narrow Emission Line Region (NELR). We propose to use the FOC long slit spectrograph to map systematically the radiojet and the NELR clouds in the central 4.3"* 20" region with the radiojet (PA 80+/- 10) in the centre of map. The first order FOC spectra contain the strong [OIII] and [OII] doublets which we will use to study the distribution of the gas and the line width and velocity fields as a function of position. A number of diagnostic line ratios are available to study the physical condition of the line emitting material.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) --

2623- LT - "A MEASUREMENT OF THE PRIMORDIAL HELIUM ABUNDANCE OF MU-CASSIOPEIAE " Keywords: POPULATION II, SUBDWARF, BINARY, ASTROMETRY

Proposers: Dennis J. Hegyi (PI; Michigan, University Of), P.Crane (European Southern Observatory; Frg), P. Demarque (Yale University), J. Haywood (Michigan, University Of), R. Kurucz (Cfa), C. Sneden (Texas, University Of)

At the present time, the primordial helium abundance is the single most important observable which can be used to test the standard model of the big bang. The most precise measurements of the primordial helium abundace have been obtained from extragalactic HII regions. However, many correction are involved in reducing measured line intensities to helium abundances. Because the primordial helium abundance plays such an essential role in both cosmology and astrophysics, it is important to accurately measure it using more than one method. By applying the stellar mass-luminosity law, we

propose to determine the helium abundance of the astrometric binary Mu-Cas using ST to obtain an orbit to determine the masses of the stars. Based on simulations, three years of ST observations would yield a mass uncertainty of the primary star corresponding to an uncertainty in the helium abundace by mass of 0.006. This uncertainty could be even further reduced if observations were extended over a longer interval of time. ST is necessary to achieve the desired measuring accuracy because astrometric observations of the faint, close secondary with respect to a background field of stars can only be obtained with ST; since the secondary has a motion almost five times larger than that of the primary, its orbit is much less sensitive to unknown systematic effects for the same measuring precision.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) --2624 - "HIGHLY LUMINOUS QUASARS AS GRAVITATIONALLY LENSED OBJECTS" Keywords : ACTIVE GALAXIES: QUASARS, OBSERVING TECHNIQUES: IMAGING Proposers: Jean Surdej (PI; Liege University; Belgium), U.Borgeest (Hamburg Observatory; Frg), T.Courvoisier (Geneva Observatory; Switzerland), R.Kayser (Toronto, University Of; Canada), P.Magain (European Southern Observatory; Frg), S.Refsdal (Hamburg Observatory; Frg), J.Swings (Liege University; Belgium), G. Weigelt (Erlangen University; Frg)

Considering that the highly luminous quasars (hereafter HLQs, My<=-29) constitute the best extragalactic candidates to search for the presence of gravitationally lensed images at sub-arcsecond angular scales, we propose to perform high resolution direct imaging of a small sample of these objects with the FOC instrument onboard ST. Applying the roll deconvolution technique to some of the FOC observations obtained in the F/288 mode will lead to unprecedented high angular resolution (FWHM ~ 0.02") images of extragalactic objects in the ultraviolet spectral range. These data will allow us to determine the significance of gravitational lensing effects in order to improve our knowledge on quasars (structure, luminosity function, source counts), on the distribution of matter in the Universe (galaxy masses, intergalactic medium, dark matter) and on the Hubble parameter. More specific observations of the best potential lensed QSO candidates identified with ST will be proposed after a careful evaluation of the preliminary data.

Selection Cycle

: 87A

-- (GIANT PLANETS) --SOLAR SYSTEM 2625- LT - "EXCITATION PROCESSES FOR THE OUTER PLANET UV EMISSIONS "

Keywords: JUPITER, SATURN

Proposers: H. W. Moos (PI; Johns Hopkins University), J. Clarke (Michigan,

University Of), M.Mcgrath (Johns Hopkins University),

D. Shemansky (Arizona, University Of), D. Strobel (Johns Hopkins

University)

A set of observations of Jupiter and Saturn in the EUV spectral region will be used to determine the process(es) exciting UV ('electroglow') emissions in the upper atmospheres of these planets. Utilizing the increased sensitivity and spectral resolution of the ST/HRS over IUE and Voyager systems, emission lines from 1200-1800A will be used to distinguish between the suggested processes of electron excitation and fluorescence. The observations will also determine the dependence of the excitation mechanism on solar input by measuring the planet to planet variation of the emission at the same solar cycle phase and the variation of the emissions from GO Cycles 1 to 2.

Prop. Type: GO

Selection Cycle : 87A

-- (SATELLITES) --SOLAR SYSTEM 2627 - "IO'S ATMOSPHERE AND ITS INTERACTION WITH THE PLASMA TORUS "

Keywords: JUPITER, IO, IO PLASMA TORUS, JOVIAN MAGNETOSPHERE

Proposers: H. W. Moos (PI; Johns Hopkins University), G.Ballester (Johns Hopkins University), P.Feldman (Johns Hopkins University), M.Mcgrath (Johns Hopkins University), D.Strobel (Johns Hopkins

University)

A simple yet comprehensive set of UV observations of the Io plasma torus and near-Io environment with the HRS at low and medium resolutions is proposed with the goal of understanding the interaction between the plasma torus and Io's atmosphere. Spatial scans of Io will yield the radial dependence of sulfur (s) and oxygen (o) densities, spatially resolve the interaction region of neutral S and O emission discovered by IUE, and determine its electron temperature (Te). Near-simultaneous observations of the torus to determine ion densities and electron temperature will clarify the degree to which electron cooling is important in the interaction region. To place more stringent limits on the amount of 0++ present in the plasma torus, detection of [OII] lambda 1664 will be attempted.

Selection Cycle

87A

GALAXIES CLUSTERS -- (GAS DUST) --

2630 - "STAR FORMATION AND EELR IONIZATION IN 4 CLUSTER DOMINANT GALAXIES "

Keywords: NEARBY GALAXY CLUSTER

Proposers: William Romanishin (PI; Oklahoma, University Of), P. Hintzen

(Nasa, Goddard)

We propose a multicolor imaging study of a sample of dominant galaxies in gas-rich clusters which contain luminous extended emission line regions (EELR). The goals of this proposal are: 1) to determine the ionization mechanism(s) for the EELR and 2) to constrain the initial mass function (IMF) in regions of ongoing star formation known to exist in these giant elliptical galaxies, star formation apparently fed by the EELR. Detailed study of EELR and the associated galaxies promises to yield many insights into the gaseous environments of galaxies and into present-day star formation in cD galaxies. Such observations also illuminate the nature and fueling of active nuclei (UV spectrum, possible beaming geometry, etc.). However, before EELR studies can be fully utilized, we must understand the ionization mechanisms for these regions. Although EELR around quasars are probably ionized primarily by nuclear radiation, the ionization mechanisms for EELR in nearby Abell clusters remains a subject of controversy. We have shown that the giant ellipticals proposed for study contain regions of current star formation and are prime candidates for EELR ionization by stars (perhaps WARMERs). Using the proposed optical and vacuum UV observations, we can put decisive limits on point sources of ionizing radiation.

Prop. Type: GO

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) -2634 - "B AND BE AS PROBES OF COSMIC RAY SPALLATION AND STELLAR STRUCTURE "
KOMMONDO -- DWARE POPULATION II COSMIC RAYS HALO STELLAR STRUCTURE OF

Keywords: DWARF, POPULATION II, COSMIC RAYS, HALO, STELLAR STRUCTURE, OPEN

CLUSTER

Proposers: Douglas K. Duncan (PI; Stsci), D.Soderblom (Stsci)

I. We propose to observe Boron and Beryllium in two intermediate metallicity halo stars ([Fe/H]~-1.5) which appear to have formed at the time when the galaxy was just beginning to syntheize those two light elements through the spallation reactions of cosmic rays on C,N,O nuclei in the interstellar medium. The B and Be abundances and their ratio yield knowledge of the energetic particle flux at this epoch and on the time of formation of the halo, in the same way that the current interstellar medium light element abundances are used to constrain theories of present cosmic rays. II. We propose to observe B in three stars in the "Li gap," the mysterious narrow temperature range in F stars in which Li is depleted by more than an order of magnitude compared to stars just a few 100 K hotter or cooler. Knowledge of whether B is depleted in the same star should help decide whether turbulent diffusion, gravitational settling, or some other as yet unknown mixing process is responsible for the gap.

Selection Cycle

: 87A

QUASARS AGN -- (QUASAR ABSORPTION) --

2638- LT - "THE NEAR ULTRAVIOLET SPECTRUM OF 0215+015 "

Keywords: ABUNDANCES, COSMOLOGY, BL LAC OBJECT: LINE IDENTS, UV: SPECTRA

Proposers: John C. Blades (PI; Space Telescope Science Institute),

R. Hunstead (University Of Sydney; Australia), M. Pettini (Aao;

Australia)

The radio source 0215+015 is a remarkable QSO. Originally classified as a featureless BL Lac object, weak emission lines at Z(em) = 1.72 have been detected recently. The object has a complex absorption spectrum with seven redshifts identified from our optical spectra. The source shows large (around 5 mag) optical variations, and when bright (14-16mag) can be studied at high resolution, making it a unique and important object for absorption line studies. Our proposal seeks Target-of-Opportunity (ToO) time to study the region 2200-3200A, during the next bright period. Our aim is to study absorption lines belonging to the three most complex redshift systems. We shall use the GHRS at R=27,500 for a detailed study of the Ly-alpha region z = 1.345 and the Ly-beta - 0 VI regions at z = 1.549 and 1.649.

Prop. Type: GO

Selection Cycle : 87A

-- (QUASAR ABSORPTION) --QUASARS AGN 2644 - "THE ENVIRONMENTS OF STARBURST GALAXIES: ABSORPTION-LINE STUDIES OF

GALACTIC OUTFLOWS*

Keywords: GALAXIES, STARBURSTS, INTERSTELLAR MEDIUM, STAR FORMATION, GALAXY

EVOLUTION, QUASAR ABSORPTION LINES.

Proposers: Colin A. Norman (PI; Stsci), J.Blades (Stsci), L.Danly (Stsci),

T.Heckman (Stsci)

Starburst galaxies are known to pump prodigious amounts of mass, energy and momentum into their circumgalactic halos and the surrounding intergalactic medium. Outflows from starbursts are seen with both narrow band images and optical spectroscopic studies. The physics of these flows is fascinating. The most plausible explanation of their origin is that they are driven by a continuous energy and momentum input from the supernovae explosions. We propose here a coherent, in-depth study of the physical state of these outflows. We shall study in detail the absorption line spectra of five quasars behind starburst outflows at projected galactocentric distances of order 10-100 kpc to learn about the ionisation state, metallicity, filling factor, geometry and kinematics of the outflowing gas. With HST the studies will be of comparable sensitivity and resolution to the studies of gas surrounding our own galaxy and we emphasize that there is no other way to get the information needed to determine the physical state of these flows.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (EARLY EVOLUTION) --2648 - "THE COLLIMATION AND PROPAGATION OF JETS FROM YOUNG STARS "

Keywords : JETS, YOUNG STARS

Proposers: Thomas P. Ray (PI; Dublin Institute For Advanced Studies; Ireland), J.Dyson (Manchester, University Of; Uk), S.Falle (Leeds, University Of; Uk), D. Innes (Heidelberg University; Frg), R.Mundt (Mpi For Astronomy; Frg), A.Raga (Canadian

Institute For Theoretical Astrophysics; Canada)

Close analogies can be drawn between jets from young stellar objects (YSOs) and their extragalactic counterparts particularly with regard to morphology. For example both sets of jets possess knots, wiggles and working-surfaces. It is however much easier to obtain basic information like density, velocity etc. for YSO jets as they have emission-line spectra. We propose to study the jets associated with Herbig Haro 30. With these images it should be possible to see for the first time the oblique shocks which are thought to be responsible for jet emission. We have recently found that jet opening angles continue to grow with increasing proximity to their source (i.e. within 4"). This argues strongly in favour of models in which a large percentage of the jet collimation is achieved by external pressure gradients on scales of a few hundred AU. In order to clarify the importance of such gradients for collimation even closer to the source (i.e. within 1") we also wish to investigate in detail the immediate stellar environment. Because of the expected high Ne values (> 10e5/cc), this study will be done in OI, lambda 6300 (as this line has an Ne critical of about 10e6/cc.).

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (GRAVITATIONAL LENSES) --2649 - "IMAGING, POLARIMETRY, AND SPECTROPHOTOMETRY OF THE LENSED, 'CLOVER

LEAF, ' BROAD ABSORPTION LINE QSO 1413+117"

Keywords : GRAVITATIONAL LENSING, BROAD ABSORPTION LINES, NARROW ABSORPTION

LINES, IMAGING, POLARIMETRY, SPECTROPHOTOMETRY

Proposers: David A. Turnshek (PI; University Of Pittsburgh), O.Lupie

(Computer Sciences Corporation)

Observations of the lensed, 'clover leaf', Broad Absorption Line (BAL) QSO 1413+117 are proposed in order to achieve the following goals: (1) PC images will be used to search for the lensing galaxy, followed by FOS observations to determine its redshift, in order to delineate the lens and image properties. (2) FOS observations of the four QSO images will be used to check for sight-line dependent differences in the BAL profiles. The results can be used to place constraints on narrow line system cloud sizes and shapes. (3) The same FOS observations will be used to check for sight-line dependent differences in two intervening, narrow metal absorption line systems. The results can be used to place constraints on narrow line system cloud sizes and shapes. All of the observations will be made at optical wavelengths. HST's high spatial resolution is required in order to obtain uncontaminated observations of the lens components.

Prop. Type: GO Selection Cycle : 87A

SOLAR SYSTEM -- (COMET) --

2657 - "HIGH RESOLUTION SPECTROSCOPY OF COMETS "

Keywords : COMETS

Proposers: Michael F. A'Hearn (PI; Maryland, University Of), C.Arpigny (Liege University; Belgium), J.Bertaux (Cnrs, Department Of

Aeronomy; France), P.Feldman (Johns Hopkins University), S.Kim

(Maryland, University Of), B.Lutz (Lowell Observatory), D.Schleicher (Lowell Observatory), H.Weaver (Stsci)

We propose to observe comets at high spectral resolution in order to search for isotopic variants and in order to elucidate the emission mechanism of the various molecular species that are known. This knowledge of the emission mechanism is critical to interpreting observed fluxes from comets in terms of abundances which in turn provide our best clues to the conditions of temperature and pressure in the solar nebula.

Prop. Type: GO Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (ERUPTIVE BINARIES) -- 2660 - "QUASI-PERIODIC OSCILLATIONS IN AM HERCULIS BINARIES "

Keywords: STARS: WHITE DWARFS, CATACLYSMIC VARIABLES, MAGNETIC FIELDS,

RAPID OSCILLATIONS; HIGH-SPEED PHOTOMETRY; ACCRETION

Proposers: Howard E. Bond (PI; Stsci), G. Chanmugam (Louisiana State

University)

AM Herculis variables are close-binary systems in which a white dwarf with a magnetic field of 20-40 MG accretes matter from a companion star. Theoretical studies of magnetically channeled accretion flows in such systems predict that the shock formed near the white dwarf should oscillate with periods ~0.1-1sec. Optical high-speed photometry has indeed shown the existence of such rapid oscillations in some AM Her binaries, but not in others. We will use HST to obtain simultaneous UV and optical high-speed photometry of several AM Her systes, in order to explore further the nature of the oscillations, and to extend the search into the UV. HSP observations of two syustems (VV Pup and ST LMi, in which the accreting magnetic pole periodically passes behind the limb of the white dwarf) will allow detailed eclipse mapping of the accretion column and the shock oscillations to be carried out.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (PULSATING STARS) --

2680 - "CROSS DISPERSION IMAGING OF HOT + COOL BINARIES "

Keywords : BINARY STARS - COSMIC DISTANCE SCALE - MASSIVE STAR EVOLUTION Proposers: D. Massa (PI; Applied Research Corporation), A. Endal (Applied Research Corporation), N. Evans (York University; Canada),

S.Parsons (Computer Sciences Corporation)

We propose to evaluate an observing strategy which could accurately measure separations ~ 10E-3" for binaries with evolved F-M primaries and main sequence B or A secondaries. These include binaries whose primaries are Cepheid variables and supernova progenitors. When combined with spectroscopic orbits, the spatial information will enable the masses and distances to such stars to be determined from Newton's laws and Euclidean geometry. Determining distances for the Cepheids in this way amounts bypassing two rungs of the cosmic distance ladder. For the Non-variable evolved stars, the mass determinations will provide sorely needed information on the poorly understood mass loss processes which occur in the latter stages of the evolution of massive stars.

Prop. Type: GO

Selection Cycle : 87A

GALAXIES CLUSTERS -- (SURVEYS) --

2684-KP - "HST MEDIUM-DEEP SURVEY "

Keywords: GALAXIES AND QUASARS, STARS, GALACTIC, EXTRAGALACTIC, BLANK SKY Proposers: Richard E. Griffiths (PI; Stsci), R.Doxsey (Stsci), G.Gilmore (Cambridge, University Of; Uk), J.Huchra (Cfa), G.Illingworth (California, University Of, Santa Cruz), D.Koo (California, University Of, Santa Cruz), S.Lilly (Hawaii, University Of), K.Ratnatunga (Gsfc), M.Schmidt (Caltech), T.Shanks (Durham University; Uk), J. Tyson (AtT Bell Labs), D. Weedman (Penn State University), R. Windhorst (Arizona State University)

We propose to conduct a Medium-Deep Survey as a Key Project. In doing so, we plan to increase the overall efficiency of HST, mainly by taking deep multicolor images with the WF/PC in parallel mode, but also by including limited slitless grism data, and UV images with the FOC when the WF/PC is primary. In addition to the great potential for serendipitous discoveries, the parallel data are needed to undertake a number of scientifically important programs, both in Galactic and extra-galactic astronomy. In particular, we will concentrate on areas ranging from the evolution of galaxies to Galactic structure, and on serendipitous searches for objects from the solar system to goal of measuring variability and proper motions, and to optimize the limiting magnitudes and color baselines for fields of particular interest. Our access to large ground-based telescopes is a major strength of the team that will ensure that the HST survey is optimized and followed up in a timely and coordinated way, using HST only for its unique properties of UV sensitivity, high resolution and low background.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (ERUPTIVE BINARIES) --

2686 - "THE ULTRAVIOLET EMISSION FROM MAGNETIC VARIABLES "

Keywords: INTERACTING BINARY, ACCRETION, UV, EMISSION, DIAMETER

Proposers: H. S. Stockman (PI; Stsci), J.Holberg (Arizona, University Of), J.Liebert (Arizona, University Of), G.Schmidt (Arizona,

University Of)

We propose to use the time-resolved spectroscopy mode of the FOS to study the origins of UV emission in the AM Her-type or magnetic variables. Since the magnetic variables are "naked" (they have no obscuring or diluting accretion disk), they have proved to be invaluable in increasing our understanding of cataclysmic variables and accretion binaries. While these systems are relatively well understood in a qualitative sense, the origin of the UV "upturn" around 1250-1500A is still a major mystery. When first discovered in AM Her by IUE, this flux was interpreted as either evidence for steady nuclear burning or direct energy deposition into the accreting white dwarf photosphere. The implied luminosities, L ~10E35 erg/s, are several orders of magnitude greater than observed in hard X-ray or optical bands. While several theories address this "soft X-ray/UV" excess, we propose to establish the size and positions of the emission regions using HST observations of eclipses by the red companion and the W.D. itself.

Prop. Type: GO

Selection Cycle : 87A

-- (HOST GALAXIES) --QUASARS AGN

2687 - "GAS IN HOST GALAXIES OF QSOS-DEPENDENCE ON RADIO PROPERTIES "

Keywords: QUASAR, JET, IMAGING, RADIO.

Proposers: Richard E. Griffiths (PI; Stsci), G.Miley (Leiden University;

Netherlands), C.Norman (Stsci)

It is known that the presence and nature of associated strong radio emission is intimately related to several properties of QSOs. We propose to compare the morphologies of nuclear and extranuclear gas in samples of radio-loud and radio-quiet QSOs, distinguishing between lobe-dominated and core-dominated radio sources. On this basis we define three samples having redshifts between 0.31 and 0.36. For all these objects narrow-band images of redshifted OIII, 5007/4959 will be obtained with the PC and for some of them images of redshifted (OII) 3727. Comparison of the classes will provide information as to (i) the nature of radio-emitting quasars, (ii) processes which make radio jets visible and (iii) the importance of Doppler boosting/relativistic beaming. A significant preference for flat-spectrum radio souces to be associated with peculiar galaxies would be strong evidence against all models in which radio sources are dominated by flat-spectrum nuclei only by virtue of their orientation.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (2688 - "HIGH RESOLUTION OBSERVATIONS OF THE RECURRENT NOVA T PYX'S NEXT ERUPTION"

Keywords : NOVA, RECURRENT NOVA, INTERACTING BINARY

Proposers: Michael Shara (PI; Stsci), A.Moffat (Montreal, University Of;

The recurrent nova T Pyxidis displays at least 3 concentric shells from its most recent eruptions (1920,1944 and 1966). It is one of only a dozen novae with known shells, and once-only opportunity will exist during Y Pyxidis' next eruption (due to 1990-1991) to determine (1) the uniformity and isotropy of material (both dust and different chemical elements). (2) the smallest structures formed in nova eruptions. The Planetary Camera will be used to obtain narrowband HB, HeII and (OIII) images as well as broadband V images. These will be used to search for fluorescence and reflection light echoes from, and small-scale structure in circumstellar gas and dust ejecta.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (ASTROMETRY) --

2691- LT - "PRECISION PARALLAXES OF CEPHEIDS AND RR LYRAES USING THE WF/PC "

Keywords : STARS: CEPHEIDS, ASTROMETRY, PARALLAXES.

Proposers: Douglas K. Duncan (PI; Stsci), R.Gilliland (Stsci), D.Van Buren (Canadian Inst. For Theoretical Astrophysics; Canada)

A new technique using the WF/PC should allow astrometric positions to be determined with an accuracy of 0.0002 arcsec 0.2 m.a.s. from two PC frames. We propose an initial test of the technique. Our new technique involves trailing HST during exposures to help alleviate the problem of undersampling inherent in the WF/PC. Once our technique of precision astrometry is proven, it should have numerous applications.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (STELLAR ATMOSPHERES) --2693 - "A SEARCH FOR MASS LOSS FROM RED GIANTS IN GLOBULAR CLUSTERS " Keywords : GIANT, GLOBULAR CLUSTER, POPULATION II, CHROMOSPHERE, MASS LOSS Proposers: A. K. Dupree (PI; Cfa), L. Hartmann (Cfa), I. King (California, University Of, Berkeley), G.Smith (Stsci)

To reproduce the observed color magnitude diagram of globular clusters with stellar evolution codes, it has been necessary to assume that substantial amounts of mass are lost from metal-poor stars ascending the red giant branch for the first time. Currently however, there is no direct observational detection of mass loss from such stars. We propose to obtain high resolution spectra of the 2795.5 and 2802.7 Mg II (h and k) lines for

three red giants in each of the globular clusters NGC 6752 and w Centauri. The profiles of these well known chromospheric lines can establish the presence of stellar mass loss from and circumstellar material around red giant stars in globular clusters. The High Resolution Spectrograph is the only instrument available that is capable of high resolution ultraviolet spectroscopy of stars as faint as globular cluster red giants. The rate of any mass loss, as well as the outflow velocity, can be derived from fitting the observed Mg II profiles will represent fundamental data necessary for understanding late stages of the evolution of low-mass stars. In the parallel mode of observing, the Planetary Camera will be used to acquire images of a field in w Cen. These images in two colors will be used to produce color-magnitude arrays and luminosity functions of the observed regions.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN -- (HOST GALAXIES) --

2695 - "MORPHOLOGY OF PKS 1614+051, A QUASAR-GALAXY PAIR AT Z=3.21 "

Keywords: QUASARS-HIGH-REDSHIFT-GALAXIES-GALAXY INTERACTIONS- GALAXY

FORMATION.

Proposers: S. Djorgovski (PI; Caltech), M.Dickinson (California, University

Of, Berkeley), P.Mccarthy (Ociw), H.Spinrad (California, University Of, Berkeley), M.Strauss (Caltech), D.Thompson

(Caltech), N.Weir (Caltech)

The galaxy companion to the quasar PKS 1614+051 at z = 3.21 is one of the most distant non-QSO objects known. Ground-based observations suggest that the quasar and its galaxy companion are interacting, and that the galaxy may harbor an active nucleus. This putative interaction occurs at an epoch when quasars first appear in large numbers, and we may be witnessing an event responsible for the turn-on of the quasar activity in this system. The redshift of this system implies that it is less than 20% the current age of the universe, giving us a unique opportunity to study the star formation history and stellar population of a young and possibly forming galaxy, or a compact group of galaxies. High-resolution imaging with the HST will reveal the nature of the interaction between the companion and the quasar, and allow us to address basic questions of the nature and evolution of galaxies at extremely high redshifts, and the origins of galactic activity in the early universe. We propose imaging in the narrow band containing the Ly alpha emission line, as well as in two broad-band line-free colors to sample the stellar continuum.

Selection Cycle

87A

GALAXIES CLUSTERS -- (DISTANT GALAXIES) --

2698 - "LYMAN-ALPHA IMAGING OF YOUNG AND FORMING GALAXIES AT LARGE REDSHIFTS "

Keywords: GALAXIES: FORMATION-GALAXIES: RADIO-GALAXIES: EMISSION

LINE-COSMOLOGY.

Proposers: S. Djorgovski (PI; Caltech), M.Dickinson (California, University

Of, Berkeley), P.Mccarthy (Mt Wilson Las Campanas

Observatories), H.Spinrad (California, University Of, Berkeley),

M.Strauss (Caltech), D.Thompson (Caltech), W.Van Breugel (California, University Of, Berkeley), N.Weir (Caltech)

A number of the recently discovered optical counterparts of powerful radio sources such as 3C 294 and 3C 326.1 at z ~= 1.8 have properties which can be interpreted as those of giant galaxies or cluster cores in the process of formation. Among these are the galaxies' large size, clumpy appearance, strong Ly alpha emission, low continuum surface brightness, large velocity fields, and estimated star formation rates of several hundred Mo/yr. While the presence of strong radio lobes marks these objects as somewhat atypical, they are the best candidates for primeval galaxies now known. High-resolution UV imaging with the HST can check this hypothesis, and provide further insights into the nature of these objects. We propose to do imaging in intermediate width bands containing the Ly alpha line of our two primary primeval galaxy candidates, two other likely candidates, and four other radio galaxies with comparable redshifts which show strong Ly alpha, and bright and compact stellar continua. The initial burst of star formation in these latter objects is probably over, but they still are very young and actively evolving. Ly alpha imaging will reveal the distribution of star formation in these galaxies, and thus constrain estimates of star formation rate and gas ionization mechanisms.

Prop. Type: GO

Selection Cycle

: 87A

QUASARS AGN -- (SEYFERTS) --

2711 - "THE RELATIONSHIP OF TYPE I AND TYPE II SEYFERT GALAXIES: IS IT

GENERALIZABLE"

Keywords: UV POLARIMETRY, TYPE II SEYFERT GALAXY

Proposers: Ross D. Cohen (PI; California, University Of, San Diego),

R.Antonucci (California, University Of, Santa Barbara)

The polarized flux spectra of a few Type II Seyfert galaxies look like the flux spectra of Type I Seyfert nuclei, and the polarization position angles are perpendicular to the radio structure axes. This may mean that all type II Seyfert galaxies have Type I spectra visible only in reflected light. The broad-line regions can be viewed directly in the cases where the tori are viewed pole on, and such objects would be classified as Type I Seyferts. It is crucial to determine whether this generalization of the polarization results is correct, and in particular whether all Type II Seyferts have highly polarized nuclear continua with position angles perpendicular to the radio source axes. We argue that contamination by host-galaxy starlight renders this virtually impossible to determine from the ground for most objects, while from space the observations would be

easy and straightforward. We can use the FOS on the HST as a polarimeter, cutting down the starlight by using small apertures and observing in the UV, where the stellar flux is weak.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AND AGN -- (GALAXY MORPHOLOGY) --2713 - "HIGH RESOLUTION MORPHOLOGIES AND STAR FORMATION RATES IN DISTANT, YOUNG GALAXIES"

Keywords: GALAXIES; RADIO GALAXIES; GALAXY MORPHOLOGY; GALAXY EVOLUTION

Proposers: Hyron Spinrad (PI; University Of California, Berkeley),

M. Dickinson (University Of California, Berkeley), S. Djorgovski (California Institute Of Technology), P.Mccarthy (Observatories

Of The Carnegie Institute Of Washington)

One of the best hopes of observing the late stages of galaxy formation is with HST imaging of high redshift radio galaxies. We propose to observe one of the brightest of such objects, 30 256, at a wavelength corresponding to the ultraviolet stellar continuum in the emitted frame. The amazing amount of 1 arcsec substructure and the close radio-source/optical alignment found for distant (z > 1) radio galaxies can be studied at 0.1 arcsec (< 1 kpc) resolution for the brightest distant radio galaxies with HST. We already know that an abundance of young stars dominates the observed-frame V light throughout these systems. An important goal will be to examine in detail the elongated/segmented substructures in order to establish any presence of a "time-line" (i.e. a spatially-distributed time sequence) of star formation events within the inner 15-20 kpc of the galaxy.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN

-- (QUASAR ABSORPTION) --

2717 - "PROBING THE VOI \overline{D} S "

Keywords: QUASARS, SEYFERT GALAXY, VOID.

Proposers: John Stocke (PI; Colorado, University Of), J.Case (Colorado,

University Of), J.Shull (Colorado, University Of)

We propose to use the HST + FOS to verify and characterize absorption systems at the positions and velocities of cosmic voids discovered in IUE archive spectra of very bright QSOs. For the last two yers we have been re-extracting and co-adding spectra of over 200 QSOs and Seyferts whose sight-lines penetrate the nearby, well-defined voids in the directions of Coma, Bootes, Perseus-Pisces and Hercules. We propose to observe only our 4 best candidates. The purpose of this investigation is to detect hot and/or cold gas associated with the voids and eventually how they were formed. At first sight using the low resolution and SNR spectra obtained with IUE for such a project seems difficult at best. But the UV absorption lines accessible to IUE (and to HST) are often over a factor of 10 stronger than their optical counterparts (CaII and NaI) making IUE competitive with large ground-based reflectors for this purpose (see our examples in the

scientific justification section).

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OLD FIELD STARS) --2719 - "PAGB STARS IN ELLIPTICAL AND BULGE-DOMINATED NEARBY GALAXIES "

Keywords : PAGB STARS, POPULATION II, ELLIPTICAL GALAXIES, UV IMAGING

Proposers: Francesco Bertola (PI; Department Of Astronomy Padua University; Italy), D.Burstein (Arizona State University), L.Buson

(Astronomical Observatory Padua; Italy), C.Chiosi (Department Of Astronomy Padua University; Italy), S.Di Serego Alighieri (Space

Telescope European Coordinating Facility; Frg)

We propose to search for the stellar population which produces the far ultraviolet rising branch from 1200-1800 A in the spectral energy distributions of early-type galaxies. One of the most likely sources of this hot emission are evolved post-asymptotic giant branch (PAGB) stars. We estimate that the brightest PAGB stars at the distance of M31 can be unambiguously detected using the far-UV imaging capabilities of HST+FOC. The possible presence of other kinds of hot stellar components that could contribute flux to the rising branch (e.g. young stars, accreting white dwarf stars in binaries) can also be detected in these images, as they will be intrinsically brighter than PAGB stars, but less numerous. If the source of this far -UV flux is PAGB stars, their absolute magnitudes in galaxies of different mean metallicities are critical tests of current theories of PAGB evolution.

Prop. Type: GO

Selection Cycle : 87A

SOLAR SYSTEM -- (GIANT PLANETS) --

2727 - "SEARCH FOR EXOGENOUS WATER IN SATURN'S ATMOSPHERE: A CRITICAL TEST FOR RING EROSION THEORIES"

Keywords: SATURN - RINGS - ATMOSPHERE - WATER ABSORPTION

Proposers: Renee Prange (PI; Ias-Lpsp, France; France), J. Connerney (Nasa,

Goddard), R. Courtin (Paris Observatory; France)

High spatial resolution observations of Saturn's UV flux are required to unambiguously detect the presence of water in Saturn's upper atmosphere and map latitudinal variations in the column abundance of exogenous water vapor. These observations are the essential test of electromagnetic ring erosion mechanisms, in which water (in the form of charged sub-micron grains) is transported along magnetic field lines from the rings to specific latitudes in the upper atmosphere. The surface expression of this erosion process is a pattern of latitudinal variation of upper atmospheric water column density at magnetic latitudes linking the rings and atmosphere, most readily identified and quantified with high spatial resolution ultraviolet spectra. We propose to map the emissions of Saturn's atmosphere with the Faint Object Camera in a wavelength range where water is expected to significantly absorb the UV (1200 A-1800 A). The spatial

resolution will be a fraction of the width of the absorbing zone (one to a few degrees). This latitudinal profile will be compared with reference latitudinal profiles obtained at wavelengths where water is not an absorber.

Prop. Type: GO

Selection Cycle : 87A

STELLAR POPULATIONS -- (OLD FIELD STARS) --2735 - "A SURVEY OF THE GIANT BRANCH IN THE BULGE OF M31 "

Keywords: NUCLEAR BULGE - M GIANTS - ABUNDANCES Proposers: R. M. Rich (PI; Columbia University)

I propose to survey the space distribution and abundances of the M giant population of the nuclear bulge of M31 using the F875M and F1042M filters of the WF/PC. The two filters isolate continuum points in the spectra of late M giants, thus allowing measurement of the metallicity range of the population, which is predicted by theories of galaxy formation to become very narrow and metal rich near the nucleus. It is expected that the giant population will be resolved to within a few arc-seconds of the nucleus, allowing a test of whether the metal rich population is more centrally concentrated than the general stellar population, as predicted by dissipative models of galaxy formation. The luminosities and colors will also place strong constraints on the fraction of intermediate-age stars in the bulge of M31.

Prop. Type: GO

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (LATE EVOLUTION) --2741 - "NLTE SPECTRAL ANALYSIS OF THE PRÈ WHITE DWARF PG1159-035 "

Keywords : STARS: WHITE DWARFS; NON-LTE ANALYSIS

Proposers: K. Hunger (PI; Kiel University; Frg), U.Heber (Kiel University;

Frg), T.Rauch (Kiel University; Frg)

PG1159-035 is the prototype of a new class of hydrogen-deficient pre white dwarfs (PWD) representing the hottest episode (Teff.GE.100,000K) of PWD-evolution. It also shows low-amplitude multi-periodic variations which have been identified as non-radial g-mode pulsations. Because of these properties, PG1159-035 is a rosetta stone for our understanding of the late phase of stellar evolution. Modelling of the pulsations not only allows the stellar mass to be determind but also the internal structure to be probed. However, the position of PG1159-035 in the HR diagram and its chemical surface composition are a prerequisite for the pulsational models as well as for the discussion of its evolutionary status. Due to the lack of adequate model atmospheres, these basic atmospheric parameters have not yet been determined. To construct such models is a challenging problem because non-LTE effects are large and a very peculiar composition (He-, C- and 0-rich) has to be accounted for. Since available model atmosphere techniques fail, we have developed a new computer code based on operator perturbation techniques which gave way to a new generation of highly

sophisticated non-LTE model atmospheres. Proposed HST spectroscopy of crucial UV lines will allow the basic atmospheric parameters to be determined with high precision. These will set important constraints to be met by pulsational and evolutionary models.

Prop. Type: GO/AM

Selection Cycle : 87A

INTERSTELLAR MEDIUM -- (

2797 - "SEARCH FOR OORT COMET CLOUD UV EMISSION, SUITABLE NOVA OF OPPORTUNITY"

Keywords : COMET, NOVA, UV, EMISSION

Proposers: T. J. Hewitt (PI; Amateur Astronomers Working Group)

The aim of this proposal is to search for evidence of an Oort Cloud of comets surrounding the system of a bright galactic nova (target of opportunity), using the nova's light pulse as a "probe." Oort Cloud objects are believed to be rich in frozen volatiles (chiefly water) and organic molecules. The energetic flux of a bright nova may trigger significant activity from a large fraction of an Oort Cloud's population. The HST's unique ability to obtain high-resolution filtered images in the ultraviolet is critical to this proposal, since the OH (3085 A and 2820 A bands) products of water evaporation and dissociation processes in a remote Oort Cloud are potentially observable using the Wide Field Camera. Detection of an Oort Cloud would be a substantial result. Images obtained at two epochs (20 and 120 days from maximum luminosity) will be used to search for evidence of an Oort Cloud and may reveal information about the composition, total mass, and spatial distribution of material in the cloud.

Prop. Type: GO/AM

Selection Cycle : 87A

SOLAR SYSTEM 2798 - "SO2 CONCENTRATION AND BRIGHTENING FOLLOWING ECLIPSES OF IO " Keywords: IO, POSTECLIPSE BRIGHTENING, SO2 FROST, ATMOSPHERE, SULFUR Proposers: James J Secosky (PI; Bloomfield Central Junior-Senior High School)

Since 1964, photometric observations have sometimes reported a temporary brightening (about 0.1 magnitude of increase, lasting 10-15 minutes) of the Galilean satellite Io(JI) following eclipse. This study will image Io in 2 filters-peak wavelengths 3577 and 7120 A. This investigation attempts to determine areas of increased brightness and concentrations if S02frost which is a hypothesised cause of the effect.

Selection Cycle

: 87A

STELLAR ASTROPHYSICS -- (

2799 - "DETECTION OF COLLAPSING PROTOPLANETS THROUGH SUPER- RESOLUTION I BAND OF NEARBY T TAURI STARS"

Keywords: T TAURI STAR, PROTOPLANETARY EVOLUTION, INFRARED IMAGING

Proposers: Ana M Larson (PI; Unaffiliated (Amateur))

Recent consolidation of planetary formation theories points to a short contraction time for the solar nebula and thus an equally short formational period for Jovian-type planet, explaining the capture of solar abundances of hydrogen and helium. A large contracting protoplanet will pass through a brief period of high luminosity. It may be possible, under ideal conditions, to detect a more massive protoplanet around nearby, solar-type T Tauri stars. The HST has the capability to perform superior quality, direct imaging at a high spectral resolution in the near-infrared needed to detect these very warm, collapsing protoplanets.

Prop. Type: GO/AM

Selection Cycle : 87A

STELLAR ASTROPHYSICS -- (

2800- LT - "MAGNETIC FIELDS OF PECULIAR TYPE A VARIABLE STARS"

Keywords: VARIABLE, CHEMICALLY PECULIAR STAR, LINE, ABSORPTION UV, MAGNETIC FIELD

Proposers: Peter J. Kandefer (PI; Hst- Amateur Astronomer)

High resolution spectrometer (HRS) is used to observe one peculiar type A star to study spectral lines indicating the presence of strong magnetic fields and determine the relatively low level of atmospheric activity. Light variations during the targets star's 5-day period are already correlated to magnetic field variations. A sequence of observations on a single star is required to obtain the desired data.

Prop. Type: GO/AM

Selection Cycle : 87A

GALAXIES AND CLUSTER -- (

2801 - "IMAGING THE ARC IN THE GALAXY CLUSTER 2244-02"

Keywords: INTERACTING GALAXY, DISTANT GALAXY CLUSTER, GRAVITATIONAL LENS,

STELLAR WINDS, STAR BURST, INTRACLUSTER GAS

Proposers: Ray Sterner (PI; Unaffiliated)

It is proposed to image the arc in the galaxy cluster 2244-02 to search for evidence that it is composed of stars and not a gravitationally lensed background galaxy, as currently thought. A galaxy collision model has been found that appears able to explain both the morphology of the arc and also possibly the color and brightness. This collision model also fits with the newly discovered double radio source in this cluster. The model suggests that the amount of intracluster gas passing through the arc is sufficient to account for the observed luminosity if a reasonable fraction of it were

converted into high mass stars. One of the goals is to look for any trace of nebulosity along the edge of the arc that would indicate that such gas is actually being collected. If the model is verified it would be the first case of propagating star formation in an intracluster medium. High spatial resolution is needed so the HST FOC would be used for a broad-band image at f/288.

Prop. Type: G0

Selection Cycle : 87A

SOLAR SYSTEM

2856 - "HST OBSERVATIONS OF PERIODIC COMETS: PART 2 "

Keywords : COMET

Proposers: Harold A. Weaver (PI; Stsci), M.A'Hearn (Maryland, University

Of), C.Arpigny (Liege University; Belgium), P.Feldman (Johns

Hopkins University)

The volatile composition of comets is a key diagnostic of cometary formation enviroments. The trace molecular composition of cometary nuclei, in particular, can be used to infer the physical and chemical state of the solar nebula or of the interstellar cloud from which the nebula condensed. Measuring these molecular abundances is extremely difficult due to the intrinsic weakness of the emissions from the trace species and can normally be attempted only on exceptionally bright comets. The advent of HST extends the feasibility of observing trace molecules to relatively faint, periodic comets. Thus, the compositions of "new" and "old" comets can be compared systematically. We propose using the FOS to obtain the volatile inventory in the brightest periodic comets appearing during the first HST GO cycle. Simultaneous UV and visible spectra will be used to measure the abundances of the important carbon-, nitrogen-, and sulfur-bearing species in the nucleus. Our highest priority target is Hartley-2. We also propose to observe Comet Wirtanen as part of the supplemental observing program.

Prop. Type: GO

Selection Cycle : 87A

QUASARS AGN

2859 - "LINKING HIPPARCOS TO THE EXTRAGALACTIC REFERENCE FRAME PART 2 OF 5"

Keywords : REFERENCE FRAMES, HIPPARCOS, QUASARS Proposers: Paul D Hemenway (PI; University Of Texas At Austin), N.Argue

(The Observatories; England), C.Devegt (Hamburger Sternwarte; Fgr), R.Duncombe (University Of Texas At Austin), J.Hughes (U.S.

Naval Observatory), D. Jauncey (C.S.I.R.O.; Australia),

K. Johnston (U.S. Naval Research Lab), J. Kovalevsky (C.E.R.G.A.; France), J.Kristian (Caltech), J.Lestrade (Bureau De Longitude; France), M.Perryman (E.S.T.E.C.; Holland), R.Preston (Jet

Propulsion Lab), B. Tapley (Univ Of Texas At Austin), C. Turon (Observatoire De Meudon; France), H. Walter (Anstronomische

Recheminstitut; Fgr), G.White (C.S.I.R.O.; Australia)

Determination of a non-rotating Reference Frame is crucial to progress in

many areas, including: Galactic motions, local (Oort's A and B) and global (RO) parameters derived from them, solar system motion discrepancies (Planet X); and in conjunction with the VLBI radio reference frame, the registration of radio and optical images at an accuracy well below the resolution limit of HST images (0.06 arcsec). The goal of the Program is to tie the HIPPARCOS and Extra-galactic Reference Frames together at the 0.0005 arcsec and 0.0005 arcsec/year level. The HST data will allow a deter- mination of the brightness distribution in the stellar and extragalactic objects observed and time dependent changes therein at the 0.001 arcsec/year level. The Program requires targets distributed over the whole sky to define a rigid Reference Frame. GTO observations will provide initial first epoch data and preliminary proper motions. The observations will consist of relative positions of Extra-galactic objects (EGOs) and HIPPARCOS stars, measured with the FGSs, or with the FGSs and PC together in "transit circle mode". The combination of HST and HIPPARCOS observations will provide

Prop. Type: GO

Selection Cycle

: 87A

QUASARS AGN

2860 - "LINKING HIPPARCOS TO THE EXTRAGALACTIC REFERENCE FRAME PART 3 OF 5"

Keywords: REFERENCE FRAMES, HIPPARCOS, QUASARS

Proposers: Paul D Hemenway (PI; University Of Texas At Austin), N.Argue (The Observatories; England), C.Devegt (Hamburger Sternwarte; Fgr), R.Duncombe (University Of Texas At Austin), J.Hughes (U.S. Naval Observatory), D.Jauncey (C.S.I.R.O.; Australia), K.Johnston (U.S. Naval Research Lab), J.Kovalevsky (C.E.R.G.A.; France), J.Kristian (Caltech), J.Lestrade (Bureau De Longitude; France), M.Perryman (E.S.T.E.C.; Holland), R.Preston (Jet Propulsion Lab), B. Tapley (Univ Of Texas At Austin), C. Turon (Observatoire De Meudon; France), H. Walter (Anstronomische

Recheminstitut; Fgr), G.White (C.S.I.R.O.; Australia)

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Selection Cycle

87A

QUASARS AGN

2861 - "LINKING HIPPARCOS TO THE EXTRAGALACTIC REFERENCE FRAME PART 4 OF 5"

Keywords: REFERENCE FRAMES, HIPPARCOS, QUASARS

Proposers: Paul D Hemenway (PI; University Of Texas At Austin), N.Argue (The Observatories; England), C.Devegt (Hamburger Sternwarte; Fgr), R.Duncombe (University Of Texas At Austin), J.Hughes (U.S. Naval Observatory), D.Jauncey (C.S.I.R.O.; Australia), K. Johnston (U.S. Naval Research Lab), J. Kovalevsky (C.E.R.G.A.; France), J.Kristian (Caltech), J.Lestrade (Bureau De Longitude; France), M.Perryman (E.S.T.E.C.; Holland), R.Preston (Jet Propulsion Lab), B. Tapley (Univ Of Texas At Austin), C. Turon (Observatoire De Meudon; France), H. Walter (Anstronomische Recheminstitut; Fgr), G.White (C.S.I.R.O.; Australia)

Determination of a non-rotating Reference Frame is crucial to progress in many areas, including: Galactic motions, local (Oort's A and B) and global (RO) parameters derived from them, solar system motion discrepancies (Planet X); and in conjunction with the VLBI radio reference frame, the registration of radio and optical images at an accuracy well below the resolution limit of HST images (0.06 arcsec). The goal of the Program is to tie the HIPPARCOS and Extra-galactic Reference Frames together at the 0.0005 arcsec and 0.0005 arcsec/year level. The HST data will allow a deter- mination of the brightness distribution in the stellar and extragalactic objects observed and time dependent changes therein at the 0.001 arcsec/year level. The Program requires targets distributed over the whole sky to define a rigid Reference Frame. GTO observations will provide initial first epoch data and preliminary proper motions. The observations will consist of relative positions of Extra-galactic objects (EGOs) and HIPPARCOS stars, measured with the FGSs, or with the FGSs and PC together in "transit circle mode". The combination of HST and HIPPARCOS observations will provide

Prop. Type: GO

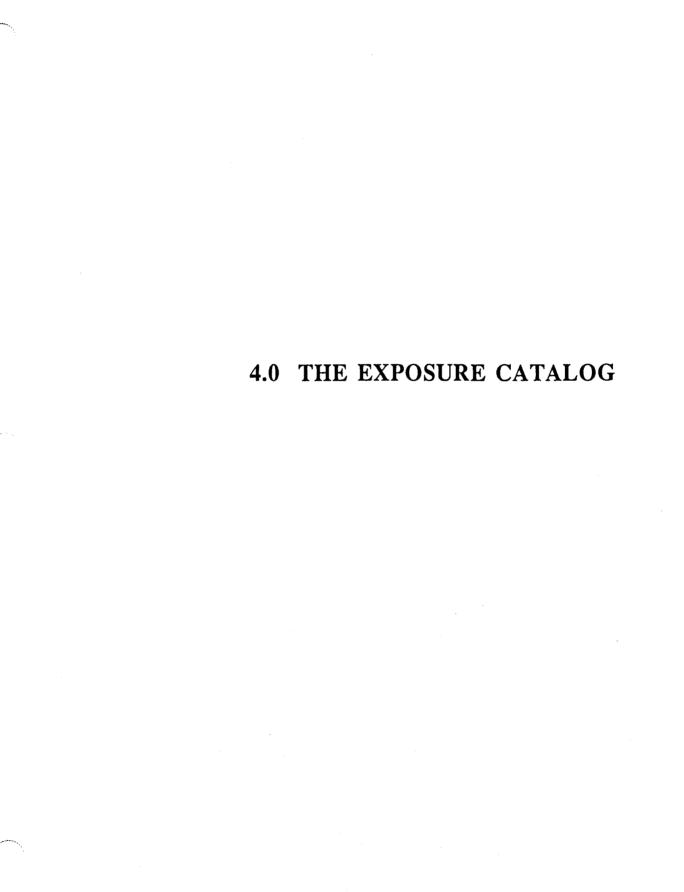
Selection Cycle

: 87A

QUASARS AGN 2862 - "LINKING HIPPARCOS TO THE EXTRAGALACTIC REFERENCE FRAME PART 5 OF 5"

Keywords : REFERENCE FRAMES, HIPPARCOS, QUASARS

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4.1 FIXED-TARGET OBSERVATIONS FOR GTO PROGRAMS

F	Ī	xed	1	а	r	g	e	t	S

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
			500		_			_			_	
AST1Ø-REF	-	-	FGS	POS	2	F55ØW	*	1	53	1008	Ø	4
AST1Ø-REF	·. -	-	FGS	POS	2	F55ØW		1	53	1008	1	10
AST1Ø-REF		-	FGS	POS	.2	F55ØW		1	53	1008	2	10
AST11-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	Ø	4
AST11-REF	-	-	FGS	POS	2 .	F55ØW		1	53	1008	1	10
AST11-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	2	10
AST14-REF	-	-	FGS FGS	POS POS	2	F55ØW		1	53	1008	1	10
AST14-REF	-	_	FGS	POS	2	F55ØW		1	53 53	1008 1008	2	10
AST14-REF AST15-REF	<u>-</u>	_	FGS	POS	2	F55ØW		1 1	53 1ø4	1008	3 1	4
AST15-REF		_	FGS	POS	2	F55ØW F55ØW		1	104	1008	2	1Ø 1Ø
AST15-REF	_	-	FGS	POS	2	F55ØW		i	104	1008	3	4
AST16-REF	_	_	FGS	POS	2	F55ØW		1	53	1008	1	10
AST16-REF		_	FGS	POS	2	F55ØW		1	53	1008	2	10
AST16-REF			FGS	POS	2	F55ØW		1	53 53	1008	3	4
AST10-REF	_	-	FGS	POS	2	F55ØW		1	104	1008	1	10
AST17-REF	_		FGS	POS	2	F55ØW		i	104	1008	2	10
AST17-REF	_		FGS	POS	2	F55ØW		1	104	1008	3	4
AST18-REF	_	_	FGS	POS	2	F55ØW		ī	104	1008	1	10
AST18-REF	_	_	FGS	POS	2	F55ØW		î	104	1008	2	10
AST18-REF	_	_	FGS	POS	2	F55ØW		î	104	1008	3	4
AST19-REF	_	_	FGS	POS	2	F55ØW		i	53	1008	ĭ	1ø
AST19-REF		- .	FGS	POS	2	F55ØW		ī	53	1008	2	10
AST19-REF	_	_	FGS	POS	2	F55ØW		î	53	1008	3	4
AST2Ø-REF	-		FGS	POS	2	F55ØW		ī	53	1008	1	1ø
AST2Ø-REF		- ' '	FGS	POS	2	F55ØW		ī	53	1008	2	10
AST2Ø-REF	_	- , ,	FGS	POS	$\bar{2}$	F55ØW		ī	53	1008	3	4
AST21-REF	-	_	FGS	POS	2	F55ØW		ī	53	1008	i	10
AST21-REF	-	_	FGS	POS	2	F55ØW		1	53	1008	2	10
AST21-REF	-	_	FGS	POS	2	F55ØW		1	53	1008	3	4
AST22-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	10
AST22-REF	. -	-	FGS	POS	2	F55ØW		1	53	1008	2	10
AST22-REF	_	_	FGS	POS	2	F55ØW		1	53	1008	3	4
AST25-REF		-	FGS	POS	2	F55ØW		1	53	1008	Ø	4
AST25-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	1Ø
AST25-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	2	10
AST3-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	Ø	4
AST3-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	1Ø
AST3-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	2	1Ø
AST4-REF	-	- .	FGS	POS	2	F55ØW		1	53	1008	Ø	4
AST4-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	1Ø
AST4-REF	-	- ,	FGS	POS.	2	F55ØW		1	53	1008	2	1Ø
AST5-REF		-	FGS	POS	2	F55ØW		1	53	1008	Ø	4
AST5-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	10
AST5-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	2	10
AST6-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	Ø	. 4
AST6-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1	1Ø
AST6-REF	-	-	FGS	PO\$	2	F55ØW		1	53	1008	2	1Ø
AST7-REF	-	-	FGS	POS	2	F55ØW		1	104	1008	Ø	4
AST7-REF	-	-	FĢS	POS	2	F55ØW		1	104	1008	1	10
AST7-REF	-	-	FGS	POS	2	F55ØW		1	104	1008	2	10
AST8-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	Ø	4

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	A perture	Element	Wave.	Exp.	Time	ID	Cy.	Řeq.	Lines
AST8-REF	_	_	FGS	POS	2	F55ØW	•	1	53	1008	1		10
AST8-REF	_	-	FGS	POS	2	F55ØW		1	53	1008	2		10
AST9-REF	_	_	FGS	POS	2	F55ØW		1	53	1008	Ø		4
AST9-REF	-	-	FGS	POS	2	F55ØW		1	53	1008	1		10
AST9-REF	_	-	FGS	POS	2	F55ØW		ī	53	1008	2		10
PCENRR	_	_	FGS	POS	2	F5ND		ø	53	1008	ø		4
PCENRR	_	_	FGS	POS	2	F5ND		ø	53	1008	ĭ		1ø
PCENRR	_	_	FGS	POS	2	F5ND		Ø	53	1008	2		1ø
PCENSU	_	_	FGS	POS	2	F5ND		Ø	53	1008	1		10
PCENSU	_	_	FGS	POS	2	F5ND		Ø	53	1008	2		10
PCENSU	_	_	FGS	POS	2	F5ND		ø	53	1008	3		4
RR-LYRAE	_	_	FGS	POS	2	F5ND		ĩ	53	1008	ø		8
RR-LYRAE	_	_	FGS	POS	2	F5ND		1	53	1008	1		2ø
RR-LYRAE	_	_	FGS	POS	2	F5ND		ī	53	1008	2		20
SU-CAS	_	_	FGS	POS	2	F5ND		ī	53	1008	ī		20
SU-CAS			FGS	POS	2	F5ND		ī	53	1008	2		20
SU-CAS	_	_	FGS	POS	2	F5ND		ī	53	1008	3		8
FLD-L1	Ø 3 54.5	2 -73 28 14	PC	IMAGE	ĀLL	F555W		_	1500	1295	ĭ	PAR	ĭ
FLD-L1		2 -73 28 14	PC	IMAGE	ALL	F785LP		ī	600	1295	ī	PAR	î
FLD-L1		2 -73 28 14	PČ	IMAGE	ALL	F785LP		ī	1500	1295	ī	PAR	i
LINDSAY-1		2 -73 28 14	F0C/96	IMAGE	512X1Ø24	F342W		ī	600	1295	2		i
LINDSAY-1		2 -73 28 14	F0C/96	IMAGE	512X1Ø24	F43ØW		ī	1500	1295	2		ī
LINDSAY-1	Ø 3 54.		F0C/96	IMAGE	512X1Ø24	F48ØLP		ī	1500	1295	2		i
0002-422	Ø 4 48.3		F0C/288	IMAGE	512X512	F342W		ī	300	1236	2		ī
UM18	Ø 5 2Ø.		FOS/RD	ACQ/BINA		MIRROR		ī	11	1025	2	ACQ	• •
UM18	Ø 5 20.3		FOS/RD	ACCUM	1.0	G4ØØH	4013	ī	300	1025	2		i
PKS0003+15	Ø 5 59.3		FOS/BL	ACQ/BINA		MIRROR		ī	11	1024	2	ACQ	ī
PKSØØØ3+15	Ø 5 59.3		FOS/RD	ACQ/BINA		MIRROR		ī	11	1024	2	ACQ	ī
PKSØØØ3+15	Ø 5 59.3		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	300	1024	2		ī
PKSØØØ3+15	Ø 5 59.3		FOS/RD	ACCUM	1.0	G19ØH	1980	1	600	1024	2		ī
PKSØØØ3+15	Ø 5 59.3		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	540	1024	2		î
HD1Ø8	Ø 6 3.4		HRS	ACCUM	Ø.25	G16ØM	1390	ī	60	1152	2		3
HD1Ø8	Ø 6 3.4		HRS	ACCUM	Ø.25	G16ØM	1235	ī	60	1152	2		3
HD1Ø8	Ø 6 3.4		HRS	ACCUM	Ø.25	G16ØM	1544	ī	6Ø	1152	2		. 3
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G14ØL	1590	ī	1140	1170	2		ĭ
MRK335	Ø 6 19.8		HRS	ACCUM	2.0	G14ØL	1315	ī	780	1170	2		i
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G2ØØM	1975	ī	420	1170	2		i
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G2ØØM	1901	ī	420	1170	2		i
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G2ØØM	1939	ī	420	1170	2		î
MRK335	Ø 6 19.8		HRS	ACCUM	2.0	G2ØØM	2013	ī	420	1170	2		î
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G27ØM	2928	ī	180	1170	2		i
MRK335	Ø 6 19.8		HRS	ACCUM	2.0	G27ØM	2968	ī	180	1170	2		î
MRK335	Ø 6 19.		HRS	ACCUM	2.0	G27ØM	2772	ī	180	117Ø	2		ī
MRK335	Ø 6 19.5		HRS	ACCUM	2.0	G27ØM	2812	î	18Ø	1170	2		i
MRK335	Ø 6 19.8		HRS	ACCUM	2.0	G27ØM	2852	ī	180	1170	2		i
MRK335	Ø 6 19.5		HRS	ACCUM	2.0	G27ØM	2888	i	180	117Ø	2		1
ØØØ7+1Ø8	Ø 1Ø 3Ø.7		FOS/RD	ACCUM	4.3	PRISM	3675	ī	3Ø	1154	1		i
0007+106 0007+106	Ø 10 30.7		FOS/RD	ACQ/BINA		MIRROR	0070	i	11	1154	i	ACQ	i
0FFSET-0007+106				ACCUM	2.Ø-BAR	PRISM	3675	i	1800	1154	i	7.C.	i
			HSP/UV2	SINGLE	1.Ø	F218M	3013	i	120	1100	1		39
NGC4Ø-C2	Ø 1Ø 37.9			SINGLE	1.0	F278N		1	120	1100	1		39 39
NGC4Ø-C2	Ø 1Ø 37.8		HSP/UV2								_		39 39
NGC4Ø-C2	Ø 1Ø 37.5	72 21 20	HSP/VIS	SINGLE	1.0	F551W		1	120	1100	1		39

The Assembly of the second

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		•	Total Lines	
NGC4Ø-C2	Ø 1Ø 37.5	72 21 20	HSP/UV2	SINGLE	1.0	F218M		1	120	1100	2		6	
NGC4Ø-C2	Ø 1Ø 37.5	72 21 20	HSP/UV2	SINGLE	1.0	F278N		1	120	1100	2		6	
NGC4Ø-C2	Ø 1Ø 37.5	72 21 20	HSP/VIS	SINGLE	1.0	F551W		1	12Ø	1100	2		6	
SX-CAS	Ø 10 42.1	54 53 30	HRS	ACCUM	Ø.25	G16ØM	1400	1	300	1190	2		1	
SX-CAS	Ø 10 42.1		HRS	ACCUM	Ø.25	G16ØM	167Ø	1	300	119Ø	2		1	
SX-CAS	Ø 10 42.1		HRS	ACCUM	Ø.25	G16ØM	1400	2	45Ø	1190	2		1	
SX-CAS	Ø 10 42.1	54 53 30	HRS	ACCUM	Ø.25	G16ØM	167Ø	2	45Ø	1190	2		1	
SX-CAS	Ø 10 42.1	54 53 30	HRS	ACCUM	Ø.25	G16ØM	1335	1	3ØØ	119Ø	2		1	
SX-CAS	Ø 1Ø 42.1	54 53 30	HRS	ACCUM	Ø.25	G16ØM	1335	2	45Ø	1190	2		1	
SX-CAS	Ø 10 42.1		HRS	ACCUM	Ø.25	G16ØM	1538	1	300	1190	2		1	
SX-CAS	Ø 10 42.1	the second second	HRS	ACCUM	Ø.25	G16ØM	1538	2	45Ø	119Ø	2		1	
HDE232121	Ø 10 42.1	54 53 30	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	3Ø	1174	1		1	
HDE232121	Ø 1Ø 42.1		HRS	ACCUM	Ø.25	G14ØL	128Ø	1	8Ø	1174	1		1	
HDE232121	Ø 10 42.1		HRS	ACCUM	Ø.25	G14ØL	1555	1	3Ø	1174	1		1	
HDE232121	0 10 42.1	54 53 30	HRS	ACCUM	Ø.25	G14ØL	1555	1	8Ø	1174	1		1	
NGC4Ø-C1	Ø 11 23.2		HSP/UV2	SINGLE	1.0	F218M		1	120	1100	1		39	
NGC4Ø-C1	Ø 11 23.2		HSP/UV2	SINGLE	1.0	F278N		1	120	1100	1		39	
NGC4Ø-C1	Ø 11 23.2		HSP/VIS	SINGLE	1.0	F551W		1	120	1100	1		39	
NGC4Ø-C1	Ø 11 23.2		HSP/UV2	SINGLE	1.0	F218M		1	120	1100	2		6	
NGC4Ø-C1	Ø 11 23.2 Ø 11 23.2		HSP/UV2	SINGLE	1.0	F278N		1	120	1100 1100	2		6	
NGC4Ø-C1	Ø 11 23.2 Ø 13 1.1		HSP/VIS HSP/UV2	SINGLE SINGLE	1.0	F551W		1	12Ø 12Ø		2		6	
NGC4Ø NGC4Ø	Ø 13 1.1		HSP/UV2	SINGLE	1.Ø 1.Ø	F218M F278N		1 1	120	1100 1100	1 1		78 78	
NGC4Ø	Ø 13 1.1		HSP/VIS	SINGLE	1.0	F551W		i	120	1100	1		78 78	
NGC4Ø	Ø 13 1.1	72 31 19	HSP/UV2	SINGLE	1.0	F218M		1	120	1100	2		12	
NGC4Ø	Ø 13 1.1		HSP/UV2	SINGLE	1.0	F278N		i	120	1100	2		12	
NGC4Ø	Ø 13 1.1		HSP/VIS	SINGLE	1.0	F551W		ī	120	1100	2		12	
NGC55		-39 11 19	F0C/96	IMAGE	512X512	F275W		ī	900	1056	1		1	
NGC55		-39 11 19	F0C/288	IMAGE	512X512	F275W		ī	1800	1056	2	CON SE		
NGC55	Ø 14 54.5		F0C/48	SPEC	256X1Ø24-SLIT		4500	ī	5400	1056	2	CON SE		
KK-68.3	Ø 16 24.7			IMAGE	ALL	F555W		ī	3599	1282	1	PAR	1	
KK-68.4	Ø 16 25.8			IMAGE	ALL	F555W		1	1799	1282	1	PAR	1	
SA68-8846	Ø 16 31.4	15 52 20	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2		ī	
SA68-8489	Ø 16 33.6	15 51 44	F0C/96	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2		1	
SA68-8624	Ø 16 37.1	15 51 41	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	1799	1282	2		1	
KK-68.5	Ø 16 40.3	15 36 13*	WFC	IMAGE	ALL	F555W		1	3599	1282	1	PAR	1	
SA68-R3	Ø 16 5Ø.9	15 42 16	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	1799	1282	2		1	
KK-68.1	Ø 16 53.5	15 48 28*	WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR	1	
SA68-BLUE-CL	Ø 17 Ø.6	16 7 19	F0C/48	IMAGE	512X1Ø24	F275₩		1 1	2000	1282	2		1	
SA68-BLUE-CL	Ø 17 Ø.6	16 7 <u>1</u> 9	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	1000	1282	2		3	
ØØ14+813	Ø 17 8.6	81 35 9	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	37	1Ø27	Ø		2	
S50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	135Ø	1Ø27	Ø		1	
S50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	3000	1027	2		1	
\$50014+81	Ø 17 8.6	81 35 9	F0S/BL	ACCUM	Ø.5	G13ØH	1300	1	4000	1027	2	CON	1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	3000	1027	2	CON	1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/BL	ACCUM	Ø.5	G16ØL	1650	1	37	1027	Ø		2	
\$50014+81	Ø 17 8.6	81 35 9	FOS/BL	ACCUM	Ø.5	G16ØL	165Ø	1	75Ø	1027	Ø		1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/BL	ACQ/BINA		MIRROR		1	8	1027	Ø	ACQ	1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACQ/BINA		MIRROR		1	8	1027	Ø	ACQ	1	
\$50014+81	Ø 17 8.6	81 35 9	FOS/RD	ACQ/BINA		MIRROR		1	11	1027	2	ACQ	1	
S5ØØ14+81	Ø 17 8.6	81 35 9	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1027	2	ACQ C	ON 1	

											•	O	•
		5 (00mm)		Operating	. .	Spectral	Central	No. Ex			Spec.	Tota	
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp. Ti	ne ID	Cy.	Req.	Lines	8
KK-68.2	Ø 17 11.7	16 1 19+	WFC	IMAGE	ALL	F555W		1 200	7 1282	1	PAR	•	ı
KK-68.2	Ø 17 11.7			IMAGE	ALL	F336W		1 1200			PAR		ī
KK-68.2	Ø 17 11.7			IMAGE	ALL	F785LP		1 200			PAR		2
SA68.2-T2-1-2	Ø 18 2.2		F0C/48	IMAGE	512X1Ø24	F13ØLP		2 171	_		CON S	_	ī
3/00.2-12-1-2	D 10 2.2	10 23 20	. 00,40	IMMOL	VIENIUE!				7 1202	•	PAR		•
GRB-34B	Ø 18 12.4	44 1 21	WFC	IMAGE	W4	F6Ø6\		1 6					3
SA68-1	Ø 18 19.2		WFC	IMAGE	ALL	F555W		1 54	ð 1020	Ø	CON S	EL :	L
SA68-1	Ø 18 19.2	16 2 24	WFC	IMAGE	ALL	F555W		1 216	ð 1020	Ø	CON S	EL :	Ĺ
SA68-1	Ø 18 19.2	16 2 24	WFC	IMAGE	ALL	F785LP		1 54	3 1020	Ø	CON S	EL :	1
SA68-1	Ø 18 19.2		WFC	IMAGE	ALL	F785LP		1 216	3 1020	Ø	CON S	EL :	1
ØØ15+162	Ø 18 32.Ø		FOS/BL	ACCUM	1.0	G16ØL		1 200		1			ī
ØØ15+162	Ø 18 32.Ø		FOS/BL	ACCUM	1.0	G19ØH		2 200					ī
ØØ15+162	Ø 18 32.0		FOS/BL	ACCUM	1.0	G27ØH		2 200	_	ī			ī
ØØ15+162	Ø 18 32.0		FOS/BL	ACQ/BINA		MIRROR		1 1			ACQ		ī
CLØØ16+16	Ø 18 33.6		WFC	IMAGE	ALL	F785LP		2 180			SEL		ĩ
	Ø 18 33.6		WFC	IMAGE	ALL	F785LP		2 180			CON S		ì
CLØØ16+16			PC	IMAGE	ALL	F6Ø6W		1 120			CUIT		1
309	Ø 2Ø 25.1					F622W							_
GAL-CLUS-002013+0407 54	Ø 22 53.2	4 24 18	WFC	IMAGE	ALL	F022#		3 230	7 1115	3		•	1
GAL-CLUS-002013+0407	Ø 22 53.2	4 24 18	WFC	IMAGE	ALL	F785LP		3 230	7 1115	3		:	1
54		-				and the second							
HD19Ø9	Ø 23 12.6	-31 2 9	HRS	ACCUM	Ø.25	ECH-B	1942	1 63	7 1182	2		;	1
HD19Ø9	Ø 23 12.6	-31 2 9	HRS	ACCUM	Ø.25	ECH-A	1362	1 1Ø6	5 1182	2			1
NGC1Ø4	Ø 24 4.5	-72 4 57	PC	IMAGE	ALL	F439W	4385	1 50	0 1053	1	ACQ		ı
NGC1Ø4	Ø 24 4.5	-72 4 57	PC :	IMAGE	ALL	F284W	2841	1 50	0 1053	1	ACQ		1
NGC1Ø4	Ø 24 4.5	-72 4 57	PC	IMAGE	ALL	F336W	3363	1 50	0 1053	1	ACQ		i
NGC1Ø4	Ø 24 4.5	-72 4 57	PC	IMAGE	ALL	F656N	6599	1 50	0 1053	1	ACQ		1
NGC1Ø4-OFFSET	Ø 24 4.5		FOS/RD	ACQ/BINA	4.3	MIRROR		1	1 1053	1	ACQ C	:ON :	1
NGC1Ø4-STAR	Ø 24 4.5		FOS/RD	ACCUM	Ø.3	PRISM		1 50			CON		1
NGC1Ø4-STAR	Ø 24 4.5		FOS/RD	ACCUM	Ø.3	PRISM		1 100			CON		ī
NGC1Ø4-STAR	Ø 24 4.5			ACCUM	Ø.3	G57ØH		1 350			CON		ī
NGC1Ø4		-72 4 50	PC	IMAGE	ALL	F555W		1	3 1019		CON		ī
NGC104		-72 4 50	PC	IMAGE	ALL	F785LP		î	Ø 1019				i
			PC	IMAGE	ALL	F555W	5479	1 2					3
NGC1Ø4	Ø 24 5.2		PC.	IMAGE	ALL	F791W	8537	1 2					3 2
NGC1Ø4		-72 4 50			ALL	F555W							
NGC104		-72 4 50	PC	IMAGE			5479	1 2					3
NGC1Ø4		-72 4 50	PC	IMAGE	ALL	F791W	8537	1 2					2
NGC1Ø4		-72 4 50	PC	IMAGE	ALL	F555\\	5479		8 2946				3
NGC1Ø4	Ø 24 5.2		PC	IMAGE	ALL	F791W	8537	1 2					2
NGC1Ø4	Ø 24 5.2	-72 4 50	PC	IMAGE	ALL	F555W	5479	1 2		-			3
NGC1Ø4	Ø 24 5.2	-72 4 50	PC	IMAGE	ALL	F791W	8537	1 2	6 2943	Ø			2
NGC1Ø4	Ø 24 5.2	-72 4 50	F0C/98	IMAGE	512X1Ø24	F43ØW		1 150	Ø 1279	1			1
NGC1Ø4	Ø 24 5.2	-72 4 50	F0C/96	IMAGE	512X1Ø24	F43ØW		1 150	Ø 1279	2			2
NGC1Ø4	Ø 24 5.2		F0C/96	IMAGE	512X1Ø24	F48ØLP		1 150	Ø 1279	1			1
NGC1Ø4		-72 4 50	F0C/98	IMAGE	512X1Ø24	F48ØLP		1 150	Ø 1279	2			2
NGC1Ø4-DUTER		-72 4 50	WFC	IMAGE	ALL	F555W		1 132			PAR		3
NGC1Ø4-OUTER	Ø 24 5.2		WFC	IMAGE	ALL	F785LP		1 132			PAR		3
TYCHOS-SNR	Ø 25 18.9		WFC	IMAGE	ALL	F336W		1 129					ĭ
TYCHOS-SNR			WFC	IMAGE	ALL	F7Ø2W		1 120			ACQ		î ·
	Ø 25 18.9		HSP/VIS	SINGLE	Ø.4	F16ØLP		1 126			CON		2
TYCHOS-SNR	Ø 25 18.9			ACCUM	Ø.3		6000						
TYCHOS-SNR	Ø 25 18.9		FOS/RD		•	G65ØL EEEEW					CON		1 3
NGC1Ø4E1	Ø 25 29.7	-72 4 5Ø *	76	IMAGE	ALL	F555W	5479	1 16	Ø 1007	Ø			3

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
NGC1Ø4E1	Ø 25 29.7	-72 4 5Ø *	PC	IMAGE	ALL	F555W	5479	1	1000	1007	Ø		3
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F791W	8537	ī	100	1007	Ø		2
NGC1Ø4E1	Ø 25 29.7	-72 4 50+	PC	IMAGE	ALL	F791W	8537	1	1000	1007	Ø		2
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F555W	5479	ī	100	1007	1		3
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F555W	5479	î	1000	1007	î		3
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F791W	8537	1	100	1007	1		
NGC104E1	Ø 25 29.7						8537		1000	1007	1		2
NGC104E1 NGC104E1	Ø 25 29.7			IMAGE	ALL	F791W		1		2946	_		2
NGC104E1 NGC104E1	Ø 25 29.7			IMAGE	ALL	F555W	5479 5470	1	100		1		3
				IMAGE	ALL	F555W	5479 0527	_	1000	2946	1		3
NGC1Ø4E1				IMAGE	ALL	F791W	8537	1	100	2946	1		2
NGC1Ø4E1				IMAGE	ALL	F791W	8537	1	1000	2946	1		2
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F555W	5479	1	100	2943	Ø		3
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F555W	5479		1000	2943	Ø		3
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F791W	8537	1	100	2943	Ø		2
NGC1Ø4E1	Ø 25 29.7			IMAGE	ALL	F791W	8537	1	1000	2943	Ø		2
QS00023+171B	Ø 25 37.Ø		HSP/VIS	PEAKUP	10.0	F16ØLP		1	60	1391	1	ACQ	1
QS0ØØ23+171B	Ø 25 37.Ø		F0C/96	IMAGE	512X512	F32ØW		1	1800	1391	1		1
QS0ØØ23+171B	Ø 25 37.Ø		HSP/UV2	STAR-SKY		F284M		1	300	1391	1		1
QS0ØØ23+171B	Ø 25 37.Ø		HSP/UV2	STAR-SKY	–	F248M		1	300	1391	1		1
QS0ØØ23+171B	Ø 25 37.Ø		HSP/VIS	STAR-SKY		F551W		1	6Ø	1391	1		1
QS0ØØ23+171B	Ø 25 37.Ø		HSP/UV2	STAR-SKY		F14ØLP		1	300	1391	1		26
QS0ØØ23+171A	Ø 25 37.1		HSP/UV2	PEAKUP	10.0	F14ØLP		1	6Ø	1391	1	ACQ	1
QS0ØØ23+171A	Ø 25 37.1		HSP/UV2	STAR-SKY		F284M		1	300	1391	1		1
QS0ØØ23+171A	Ø 25 37.1		HSP/UV2	STAR-SKY	–	F248M		1	300	1391	1		1
QS0ØØ23+171A	Ø 25 37.1		HSP/VIS	STAR-SKY		F551W		1	300	1391	1		1
QS0ØØ23+171A	Ø 25 37.1		HSP/UV2	STAR-SKY		F14ØLP		1	300	1391	1		28
HD2282		-43 40 48	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD2262		-43 4Ø 48	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD2262	Ø 26 12.1	-43 40 48	F0C/288	OCC	512X1Ø24-FØ.4	F342W POL6Ø		1	300	1275	2		1
HD2262	Ø 28 12.1		F0C/288	OCC	512X1Ø24-FØ.4	F342W POL12Ø		1	300	1275	2		1
GAL-CLUS-ØØ24ØØ+1653 ØØ	Ø 26 32.9	17 9 46	WFC	IMAGE	ALL	F555W		1	2200	1115	Ø		1
GAL-CLUS-Ø024Ø0+1653	Ø 26 32.9	17 9 46	WFC	IMAGE	ALL	F7Ø2W		1	22ØØ	1115	Ø		1
00								_			_		
GAL-CLUS-002400+1653 00	Ø 26 32.9	17 9 46	WFC	IMAGE	ALL	F555W		2	2300	1115	1		1
GAL-CLUS-002400+1653	Ø 26 32.9	17 9 46	WFC	IMAGE	ALL .	F7Ø2W		2	2300	1115	1		1
00			WE 6	****				_			_		_
GAL-CLUS-002400+1653 00-75-EAST	Ø 26 41.Ø	17 9 36	WFC	IMAGE	ALL	F555W		1	2200	1115	3		1
GAL-CLUS-002400+1653	Ø 26 41.Ø	17 9 36	WFC	IMAGE	ALL	F7Ø2W		1	2200	1115	3		1
ØØ-75-EAST								_					-
NGC1Ø4E2	Ø 27 Ø.7	-72 4 47*	PC	IMAGE	ALL	F555W	5479	1	100	1007	Ø		3
NGC1Ø4E2		-72 4 47*		IMAGE	ALL	F555W	5479	ī	1000	1007	ø		3
NGC1Ø4E2		-72 4 47*	·	IMAGE	ALL	F791W	8537	î	100	1007	ø		2
NGC1Ø4E2		-72 4 47*		IMAGE	ALL	F791W	8537	1	1000	1007	ø		2
NGC1Ø4E2		-72 4 47*		IMAGE	ALL	F555W	5479	1	100	2943	ø		3
NGC104E2		-72 4 47*		IMAGE	ALL	F555W	5479 5479	1	1000	2943	Ø		3
NGC104E2		-72 4 47*		IMAGE	ALL	F791W	8537			2943			2
NGC104E2 NGC104E2		-72 4 47*		IMAGE	ALL			1 1	100		Ø		2
NABØØ24+22	Ø 27 15.3		FOS/BL	ACQ/BINA		F791W MIRROR	8537	1	1000	2943	Ø	ACQ	1
NABØØ24+22	Ø 27 15.3		FOS/RD			MIRROR		_	11	1024	2		1.
HADDETTEL	~ 21 10.5	22 71 03	1 03/110	ACQ/BINA	7.3	WTVLOL		1	11	1024	2	ACQ	1.

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
NABØØ24+22	Ø 27 15.3	3 22 41 59	FOS/BL	ACCUM	1.0	G16ØL	1837	1	600	1024	2		1
NABØØ24+22	Ø 27 15.3	22 41 59	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	600	1024	2		1
NABØØ24+22	Ø 27 15.3	22 41 59	FOS/RD	ACCUM	1.Ø	G27ØH	2753	1	1200	1024	2		ī
L11-0FF2	Ø 27 36.2	-72 46 55*	PC	IMAGE	ALL	F555W			1500	1295	2	SEL	ī
L11-0FF2	Ø 27 36.2	-72 46 55*	PC	IMAGE	ALL	F785LP		1	600	1295	2	SEL	2
L11-0FF2	Ø 27 36.2	-72 46 55*	PC	IMAGE	ALL	F785LP			1500	1295	2	SEL	3
L11-0FF1		-72 46 55*		IMAGE	512X1Ø24	F342W		1	6ØØ	1295	2		i
L11-0FF1	Ø 27 41.8	-72 46 55+	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1500	1295	2		<u></u>
L11-OFF1	Ø 27 41.8	-72 46 55*	F0C/96	IMAGE	512X1Ø24	F48ØLP			1500	1295	2		ī
FLD-L11	Ø 27 43.5	-72 46 55	PC '	IMAGE	ALL	F555W			1500	1295	1	PAR	<u>1</u>
FLD-L11	Ø 27 43.5	-72 46 55	PC	IMAGE	ALL	F785LP		1	600	1295	1	PAR	ī
FLD-L11		-72 46 55	PC	IMAGE	ALL	F785LP		1	1500	1295	1	PAR	ī
FLD-L11	Ø 27 43.5	-72 46 55	F0C/96	IMAGE	512X1Ø24	F342W		1	600	1295	2	SEL	
FLD-L11		-72 46 55	F0C/98	IMAGE	512X1Ø24	F43ØW			1500	1295	2	SEL	
FLD-L11		-72 46 55	F0C/98	IMAGE	512X1Ø24	F48ØLP		1	1500	1295	2	SEL	
PGØØ26+12	Ø 29 13.7		FOS/RD	ACCUM	Ø.5	PRISM	3500	1	200	1028	ø		ī
PGØØ26+12	Ø 29 13.7		FOS/RD	ACCUM	Ø.5	PRISM	3500	1	200	1026	3		ī
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	3000	1026	Ø		ī
PGØØ26+12	Ø 29 13.7		FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	400	1026	ø		ī
PGØØ26+12	Ø 29 13.7		FOS/BL	ACCUM	Ø.5	G13ØH	1300	ĩ	3000	1026	3		ī
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	400	1026	3		<u>1</u>
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/RD	ACCUM	Ø.5	G19ØH	1900		1500	1026	Ø		<u>1</u>
PGØØ28+12	Ø 29 13.7		FOS/RD	ACCUM	Ø.5	G19ØH	1900		1500	1026	3		ī
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1026	Ø	ACQ	ī
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/RD	ACQ/BINA		MIRROR		1	5	1026	Ø	ACQ	ī
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1Ø26	3	ACQ	1
PGØØ26+12	Ø 29 13.7	13 16 4	FOS/RD	ACQ/BINA	4.3	MIRROR		1	5	1Ø26	3	ACQ	1
PGØØ26+129	Ø 29 13.8	13 16 5	WFC	IMAGE	ALL	F725LP		1	.5	1116	3	•	1
PGØØ26+129	Ø 29 13.8	13 16 5	WFC	IMAGE	ALL	F725LP		1	1700	1116	3		1
PGØØ26+129	Ø 29 13.8	13 16 5	WFC	IMAGE	ALL	F725LP		1	212	1116	3		1
NGC128-NUC	Ø 29 15.Ø	2 51 53	PC	IMAGE	P7	F555W		1	120	1118	3		1
NGC128-NUC	Ø 29 15.Ø	2 51 53	PC	IMAGE	P7	F555W		1	1200	1118	3		1
QØØ28+ØØ3	Ø 31 31.5	Ø 34 2Ø	F0C/98	IMAGE	512X512	F43ØW		2	1800	1234	1		1
QØØ28+ØØ3	Ø 31 31.5	Ø 34 2Ø	F0C/96	IMAGE	512X512	F342W		2	1800	1234	3		1
UM253	Ø 31 35.6	Ø 34 22	F0C/96	IMAGE	512X512	F22Ø\		1	900	1233	2		1
UM253	Ø 31 35.6	Ø 34 22	F0C/96	IMAGE	512X512	F346M		1	1800	1233	2		1
SMC-N2	Ø 32 38.9	-71 41 59	F0C/96	IMAGE	512X512	F486N		1	1000	1266	1		1
SMC-N2		-71 41 59	F0C/96	IMAGE	512X512	F5Ø1N		1	1000	1266			1
SMC-N2	Ø 32 38.9	-71 41 59	F0C/48	SPEC	256X1Ø24~SLIT			1	1000	1266	2		1
K1	Ø 32 48.5	39 34 37	WFC	IMAGE	ALL	F555W		1	2500	1117	2		1
K1	Ø 32 46.5		WFC	IMAGE	ALL	F785LP		1	2200	1117	2		1
M31-G1	Ø 32 46.9	39 34 41	F0C/98	IMAGE	512X1Ø24	F43ØW		1	1750	1283	1		1
M31-G1	Ø 32 46.9		F0C/96	IMAGE	512X1Ø24	F43ØW		1	175Ø	1283	2		1
M31-G1	Ø 32 46.9		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283			1
M31-G1	Ø 32 46.9		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283			1
M31HALO-FIELD1	Ø 32 46.9		WFC	IMAGE	ALL	F785LP		1	518Ø	1283		PAR	2
M31HALO-FIELD1	Ø 32 46.9		WFC	IMAGE	ALL	F555W		1	1389	1283		PAR	2
HD29Ø5	Ø 32 6Ø.Ø		HRS	ACCUM	Ø.25	ECH-B	2312	4	36Ø	1Ø66			1
NGC147	Ø 33 12.2		F0C/96	IMAGE	512X1Ø24	F43ØW			1500	1277			1
NGC147	Ø 33 12.2		F0C/98	IMAGE	512X1Ø24	F48ØLP		1	1500	1277			1
3C13	Ø 34 14.7		WFC	IMAGE	ALL	F785LP			2700	1070			1
NGC147-OFF	Ø 34 34.7	48 38 47	PC	IMAGE	ALL	F555W		1	1140	1277	1	PAR	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	•	Total Lines	
NGC147-0FF	Ø 34 34.7	48 38 47	PC	IMAGE	ALL	F785LP		1	114Ø	1277	1	PAR	1	
M31-FIELD184B	Ø 37 24.9	39 56 41	WFC	IMAGE	ALL	F336W		1	100	1120	Ø	•	1	
M31-FIELD184B	Ø 37 24.9		WFC	IMAGE	ALL	F555W		1	100	1120	Ø		ī	
M31-FIELD184B	Ø 37 24.9		WFC	IMAGE	ALL	F336W		ī	1800	1120	ø		ī	
M31-FIELD184B	Ø 37 24.9		WFC	IMAGE	ALL	F555W		ī	2100	1120	ø		î	
	Ø 37 24.9					F785LP		î	100	1120	ø		i	
M31-FIELD184B		· · -	WFC	IMAGE	ALL			î	1800	1120	ø		_	
M31-FIELD184B	Ø 37 24.9		WFC	IMAGE	ALL	F785LP		_	-		-		1	
M31-FIELD184A	Ø 37 32.3		WFC	IMAGE	ALL	F336W		1	100	1120	Ø		1	
M31-FIELD184A	Ø 37 32.3		WFC	IMAGE	ALL	F555W		1	100	1120	Ø		1	
M31-FIELD184A	Ø 37 32.3		WFC	IMAGE	ALL	F336W		1	1800	1120	Ø		1	
M31-FIELD184A	Ø 37 32.3		WFC	IMAGE	ALL	F555W		1	2100	1120	Ø		1	
M31-FIELD184A	Ø 37 32.3		WFC	IMAGE	ALL	F785LP		1	100	1120	Ø		1	
M31-FIELD184A	Ø 37 32.3	40 0 41	WFC	IMAGE	ALL	F785LP		1	1800	1120	Ø		1	
B59-A184	Ø 37 35.6	40 1 5	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	400	1267	2		1	
NGC185-PN1-OFFSET-ST ARS-FIELD	Ø 38 55.9	48 19 4*	WFC	IMAGE	ALL	F5Ø2N		1	6Ø	1Ø46	Ø	ACQ	1	
NGC185-PN1-OFFSET-ST ARS-FIELD	Ø 38 55.9	48 19 4*	WFC	IMAGE	ALL	F555W		1	15	1046	Ø		1	
NGC185-PN1	Ø 38 56.8	48 19 22	FOS/BL	ACCUM	1.0	G13ØH		1	1450	1046	2		1	
NGC185-PN1	Ø 38 56.8		FOS/BL	ACCUM	1.0	G19ØH		1	1450	1046	2		1	
NGC185-PN1	Ø 38 56.8		FOS/BL	ACCUM	1.0	G27ØH		1	1450	1046	2		1	
NGC185-PN1-OFFSET-ST				ACQ/BINA		MIRROR		1	5	1Ø46	2	ACQ	ī	
NGC185	Ø 38 58.Ø	48 20 18	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1500	1277	3		1	
NGC185	Ø 38 58.Ø		F0C/96	IMAGE	512X1Ø24	F48ØLP		ī	1500	1277	3		1	
NGC185-OFF	Ø 38 58.Ø		PC	IMAGE	ALL	F555W		ī	1140	1277	ĭ	PAR	ī	
NGC185-OFF	Ø 38 58.Ø		PČ	IMAGE	ALL	F785LP		ī	1140	1277	ī	PAR	ī	
0B138/WR1	Ø 39 33.5		FOS/BL	ACQ/BINA		MIRROR		ī	40	1150	ī	ACQ	ī	
0B138/WR1	Ø 39 33.5		FOS/BL	ACCUM	Ø.5	G16ØL	1836	î	1600	1150	î	ned	ī	
	Ø 39 35.3		WFC	IMAGE	ALL	F555W	1030	ī	1000	1120	3		i	
M31-FIELD138A								i	2200	1120	3		ī	
M31-FIELD138A	Ø 39 35.3		WFC	IMAGE	ALL	F336W		1			_			
M31-FIELD138A	Ø 39 35.3		WFC	IMAGE	ALL	F785LP		_	1000	1120	3		1	
M31-FIELD138B	Ø 39 43.4		WFC	IMAGE	ALL	F555W		1	1000	1120	3		1	
M31-FIELD138B	Ø 39 43.4		WFC	IMAGE	ALL	F336W		1	2200	1120	3		1	
M31-FIELD138B	Ø 39 43.4		WFC	IMAGE	ALL	F785LP		1	1000	1120	3		1	
HVIII	Ø 39 54.7		WFC	IMAGE	ALL	F555W_		1	2500	1117	2		1	
HVIII	Ø 39 54.7	41 47 42	WFC	IMAGE	ALL	F785LP		1	2200	1117	2		1	
NGC2Ø5-PN7	Ø 4Ø 17.9	41 38 32	FOS/BL	ACCUM	1.0	G13ØH		1	145Ø	1Ø46	2		1	
NGC2Ø5-PN7	Ø 4Ø 17.9	41 38 32	FOS/BL	ACCUM	1.0	G19ØH		1	1450	1Ø48	2		1	,
NGC2Ø5-PN7	Ø 4Ø 17.9	41 38 32	FOS/BL	ACCUM	1.0	G27ØH		1	145Ø	1Ø46	2		1	
NGC2Ø5-PN7-OFFSET-ST AR	Ø 4Ø 17.9	41 38 32*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1046	2	ACQ	1	•
NGC2Ø5-PN7-OFFSET-ST ARS-FIELD	Ø 4Ø 18.6	41 38 40+	WFC	IMAGE	ALL	F5Ø2N		1	6Ø	1Ø46	Ø	ACQ	1	
NGC2Ø5-PN7-OFFSET-ST ARS-FIELD	Ø 4Ø 18.6	41 38 40+	WFC	IMAGE	ALL	F555W		1	15	1Ø46	Ø		1	
NGC2Ø5-OFFSET-STARS- FIELD	Ø 4Ø 19.1	41 40 33+	WFC	IMAGE	ALL	F6Ø6W		1	15	1041	Ø	ACQ	1	L
NGC2Ø5	Ø 4Ø 22.Ø	41 41 7	PC	IMAGE	ALL.	F23Ø\		1	1000	1Ø41	Ø	ACQ	1	Ĺ
NGC2Ø5	Ø 4Ø 22.Ø		PČ	IMAGE	ALL	F547M		ī	200	1041		ACQ	1	_
NGC2Ø5	Ø 4Ø 22.Ø		PC	IMAGE	ALL	F664N		ī	1000	1041		ACQ	ī	
NGC205	Ø 4Ø 22.Ø		FOS/BL	ACCUM	Ø.3	G16ØL		ī	1000	1041		CON SI		
1740280	D 70 44.0	71 71 /	1 00/DE	ACCOM	~.0			-	1~00	-277	~	UU11 U		-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID			otal ines
NGC2Ø5	Ø 4Ø 22.Ø	41 41 7	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON SEL	1
NGC2Ø5	Ø 4Ø 22.Ø	41 41 7	FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON SEL	1
NGC2Ø5	Ø 4Ø 22.Ø	41 41 7	FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	2	CON SEL	1
NGC2Ø5-OFF	Ø 4Ø 22.Ø		FOS/BL	ACCUM	Ø.3	G16ØL		_	1000	1041	2	CON SEL	1
NGC2Ø5-OFF	Ø 4Ø 22.Ø	41 41 7*	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON SEL	1
NGC2Ø5-OFF	Ø 4Ø 22.Ø	41 41 7*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON SEL	1
NGC2Ø5-OFF	Ø 4Ø 22.Ø	41 41 7*	FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	2	CON SEL	1
NGC2Ø5-OFFSET-STAR	Ø 4Ø 22.Ø		FOS/BL	ACQ/BINA	4.3	MIRROR		ī	5	1041	2	ACQ CON	1
NGC2Ø5	Ø 4Ø 22.1		FOC/98	IMAGE	512X1Ø24	F43ØW			1500	1277	3		ī
NGC2Ø5	Ø 4Ø 22.1		F0C/98	IMAGE	512X1Ø24	F48ØLP			1500	1277	3		1
NGC2Ø5	Ø 4Ø 22.1		F0C/48	IMAGE	128X128-ASLIT			ī	100	1278	1	ACQ SEL	1
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	IMAGE	128X128-ASLIT	F43ØW		1	100	1278	1	ACQ CON	1
			•					_				SEL	_
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	IMAGE	128X128-ASLIT	F43ØW		1	100	1278	2	ACQ SEL	1
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	IMAGE	128X128-ASLIT	F43ØW		1	100	1278	2	ACQ CON	1
												SEL	
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	5175	1	1500	1278	1	SEL	2
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	5175	1	225Ø	1278	2	SEL	1
NGC2Ø5	Ø 4Ø 22.1	41 41 7	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	5175	1	225Ø	1278	2	CON SEL	1
NGC2Ø5-EDGE	Ø 4Ø 22.5	41 41 6	WFC	IMAGE	ALL	F555W		1	1200	1278	1	SEL PAR	1
NGC2Ø5-EDGE	Ø 4Ø 22.5	41 41 6	WFC	IMAGE	ALL	F555 W		1	84Ø	1278	1	CON SEL	1
_												PAR	
NGC2Ø5-EDGE	Ø 4Ø 22.5	41 41 6	WFC	IMAGE	ALL	F785LP		1	1200	1278	1	SEL PAR	1
NGC2Ø5-EDGE	Ø 4Ø 22.5	41 41 6	WFC	IMAGE	ALL	F785LP		1	84Ø	1278	1	CON SEL	1
				T114 AF		E222W					_	PAR	
M31-FIELD81A	0 40 26.5	40 32 28	WFC	IMAGE	ALL	F555W		. –	1000	1120	2		1
M31-FIELD81A	Ø 4Ø 26.5	40 32 28	WFC	IMAGE	ALL	F336W			2200	1120	2		1
M31-FIELD81A	0 40 26.5	40 32 26	WFC	IMAGE	ALL	F785LP			1000	1120	2		1
K58	Ø 4Ø 26.6	41 27 17	WFC	IMAGE	ALL	F555W			25ØØ	1117	1		1
K58	Ø 4Ø 26.6	41 27 17	WFC	IMAGE	ALL	F785LP		_	2200	1117	1		1
M31-FIELDN2Ø6	0 40 29.4	40 43 58	WFC	IMAGE	ALL	F336W		_	1000	1120	Ø		1
M31-FIELDN2Ø6	Ø 4Ø 29.4	40 43 58	WFC	IMAGE	ALL	F555W		1	400	1120	Ø		1
M31-FIELDN2Ø6	Ø 4Ø 29.4	40 43 58	WFC	IMAGE	ALL	F785LP		1	400	1120	Ø	4.00	1
NGC2Ø6/277	0 40 30.3	40 42 33	FOS/BL	ACQ/BINA		MIRROR	1070	1	3Ø	1150	1	ACQ	1
NGC2Ø6/277	Ø 4Ø 3Ø.3	40 42 33	FOS/BL FOS/BL	ACCUM ACCUM	Ø.5 Ø.5	G13ØH G19ØH	1379	1	900	1150	1		1
NGC2Ø8/277	Ø 4Ø 3Ø.3	40 42 33 40 42 33	FOS/BL	ACCUM	Ø.5	G27ØH	1938	1	100	1150	1		1
NGC2Ø8/277	0 40 30.3	40 42 33		SPEC	256X1Ø24-SLIT		2766	1	3Ø	1150	1		1
A78-NGC2Ø8	Ø 4Ø 33.5	40 44 15	FOC/48 WFC	IMAGE	ALL	F555W		1	400	1267	2		1
M31-FIELD81B	0 40 49.5	40 28 27	WFC	IMAGE	ALL	F336W		_	1000	1120	2		1
M31-FIELD81B	0 40 49.5	40 28 27	WFC	IMAGE	ALL	F785LP			2200	1120	2		1
M31-FIELD81B	0 40 49.5	40 28 27	PC	IMAGE	ALL	F555W			1000	1120	2	DAD	1
G73	Ø 4Ø 55.5 Ø 4Ø 55.5	41 41 25	PC	IMAGE	ALL	F555W			114Ø 68Ø	1277 1278	1	PAR SEL PAR	1 1
G73	Ø 4Ø 55.5	41 41 25	PC	IMAGE	ALL	F555W		1 1	680	1278	1 1	CON SEL	1
G73	ט.טס עד ע	71 71 20		#mr14F		. 55511		1	000	1210	7	PAR	-
G73	Ø 4Ø 55.5	41 41 25	PC	IMAGE	ALL	F785LP		1	1000	1278	1	SEL PAR	1
G73	Ø 4Ø 55.5	41 41 25	PC '	IMAGE	ALL	F785LP			1000	1278	ī	CON SEL	ī
	2 .2 00.0		. =		- · - 			•			-	PAR	-
G73	Ø 4Ø 55.5	41 41 25	PC	IMAGE	ALL	F785LP		1	1140	1277	1.	PAR	1
NGC224-ØØ38+4148	Ø 41 6.3	42 1 43	WFC	IMAGE	ALL	F555W		1	2500	1117	3		1
NGC224-ØØ38+4148	Ø 41 6.3	42 1 43	WFC	IMAGE	ALL	F785LP		1	2200	1117	3		1
SMC-N5	Ø 41 22.Ø	-72 45 15	F0C/98	IMAGE	512X512	F486N		1	1000	1266	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	_	Spec. Req.	Tota Line	
SMC-N5	Ø 41 22.Ø	-72 45 15	F0C/98	IMAGE	512X512	F5Ø1N		1	1000	1266	1			1
SMC-N5	Ø 41 22.Ø	-72 45 15	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2			1
LHS1126	Ø 41 26.Ø	-22 21 3	FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	3000	1050	Ø			1
LHS1126	Ø 41 26.Ø	-22 21 3	FOS/BL	ACCUM	Ø.5	PRISM	2Ø75	1	3ØØ	1050	Ø			1
LHS1126	Ø 41 28.Ø	-22 21 3	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	1200	1050	Ø			1
LHS1126	Ø 41 26.Ø	-22 21 3	FOS/BL	ACQ/BINA	4.3	MIRROR		1	3	1050	Ø	ACQ		1
M31-G96	Ø 41 28.3	40 53 50	F0C/96	IMAGE	512X1Ø24	F43ØW		1	175Ø	1283	2			1
M31-G96	Ø 41 28.3	40 53 50	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283	2			1
M31HALO-FIELD5	Ø 41 28.3	40 53 50	WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR		1
M31HALO-FIELD5	Ø 41 28.3	40 53 50	WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR		1
M31-G119	Ø 41 53.3	40 47 10	F0C/98	IMAGE	512X1Ø24	F43ØW		1	1750	1283	2			1
M31-G119	Ø 41 53.3	40 47 10	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283	2			1
M31HALO-FIELD4	Ø 41 53.3	40 47 10	WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR		1
M31HALO-FIELD4	Ø 41 53.3	40 47 10	WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR		1
NGC224-ØØ4Ø+41ØØ	Ø 42 1Ø.7	40 36 6	PC	IMAGE	P7	F555W		1	2Ø	1118	Ø			1
G141	Ø 42 12.8	41 19 Ø	PC	IMAGE	ALL	F555W		1	24Ø	1277	1	PAR		2
G141	Ø 42 12.6	41 19 Ø	PC	IMAGE	ALL	F555W		1	24Ø	1277	2	PAR		1
G141	Ø 42 12.8	41 19 Ø	PC	IMAGE	ALL	F555W		1	68Ø	1278	1	SEL P	PAR	1
G141	Ø 42 12.8	41 19 Ø	PC	IMAGE	ALL	F785LP		1	1000	1278	1	SEL P	PAR	1
G141	Ø 42 12.8	41 19 Ø	PC	IMAGE	ALL	F785LP		1	1170	1277	1	PAR		1
G141	Ø 42 12.6	41 19 Ø	PC.	IMAGE	ALL	F785LP		1	1140	1278	1	SEL P	PAR	1
G142	Ø 42 13.9	40 48 39	PC	IMAGE	ALL	F555W		1	1140	1277	1	PAR		1
G142	Ø 42 13.9	4Ø 48 39	PC	IMAGE	ALL	F785LP		1	240	1277	1	PAR		2
G142	Ø 42 13.9		PC	IMAGE	ALL	F785LP		1	1140	1277	1	PAR		1
G142	Ø 42 13.9		PC	IMAGE	ALL	F785LP		1	240	1277	2	PAR		1
G142	Ø 42 13.9		PC	IMAGE	ALL	F785LP		1	1140	1278	1	CON P		1
G142	Ø 42 13.9		PC	IMAGE	ALL	F785LP		1	2Ø39	1278	1	SEL P	PAR	1
NGC224-0FF-3	Ø 42 34.6	41 13 48	F0C/96	IMAGE	512X1Ø24	F43ØW		1	600	1277	1			1
NGC224-OFF-3	Ø 42 34.6		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	600	1277	1			1
M32-PN1	Ø 42 35.9		FOS/BL	ACCUM	1.0	G13ØH		1	1450	1046	2			1
M32-PN1	Ø 42 35.9		FOS/BL	ACCUM	1.0	G19ØH		1	1450	1046	2			1
M32-PN1	Ø 42 35.9		FOS/BL	ACCUM	1.0	G27ØH		1	1450	1046	2			1
M32-PN1-OFFSET-STAR	Ø 42 35.9		FOS/BL	ACQ/BINA		MIRROR		1	- 5	1046	2	ACQ		1
M32-PN1-OFFSET-STARS	Ø 42 36.9	40 53 5*	WFC	IMAGE	ALL	F5Ø2N		1	6Ø	1046	Ø	ACQ		1
-FIELD											_			_
M32-PN1-OFFSET-STARS	Ø 42 36.9	40 53 5*	WFC	IMAGE	ALL	F555W		1	15	1046	Ø			1
-FIELD						5.10.51 B		_			_			_
NGC224-0FF-2	Ø 42 41.8		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	600	1277	2			1
NGC221-P0S-B4	Ø 42 42.Ø			ACCUM	Ø.5-PAIR	G57ØH		1	549	1044	2			1
NGC221-P0S-B3	Ø 42 42.Ø			ACCUM	Ø.5-PAIR	G57ØH		1	210	1044	2	CON		1
NGC221-P0S-B2	Ø 42 42.Ø			ACCUM	Ø.25-PAIR	G57ØH		1	525	1044	2			1
NGC221-P0S-B1	Ø 42 42.Ø			ACCUM	Ø.25-PAIR	G57ØH		1	459	1044	2	CON		1
NGC221	Ø 42 42.Ø		F0C/48	IMAGE	512X1Ø24	F175W		1	1500	1278	Ø			1
NGC221	Ø 42 42.Ø	-	F0C/48	IMAGE	128X128-ASLIT			1	100	1278	Ø	ACQ		1
NGC221	Ø 42 42.Ø	40 51 54	F0C/48	IMAGE	128X128-ASLIT	F43ØW		1	100	1278	1	ACQ (CON	1
NGC221	Ø 42 42.Ø	40 51 54	F0C/96	IMAGE	512X512	F1ND F48ØLP F4ND		1	600	1277	1			1
NGC221	Ø 42 42.0		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	5175	1	1500	1278				1
NGC221	Ø 42 42.Ø		F0C/48	SPEC	256X1Ø24-SLIT		5175	1	2250	1278	1	CON S	SEL	1
NGC221	Ø 42 42.Ø		PC	IMAGE	ALL	F23ØW		1	1000	1041	ø	ACQ		1
NGC221	Ø 42 42.0		PC	IMAGE	ALL	F547M		1	200	1041	Ø	ACQ		1
NGC221	Ø 42 42.0		PC	IMAGE	ALL	F664N		1	1000	1041		ACQ		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Tota Line	
											_			
NGC221	Ø 42 42.Ø		FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	2	CON SI		1
NGC221	Ø 42 42.Ø		FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON SI		1
NGC221	0 42 42.0		FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON SI		1
NGC221	Ø 42 42.Ø		FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	2	CON SI	EL	1
NGC221	Ø 42 42.Ø		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	399	1044	2			1
NGC221-OFF	Ø 42 42.Ø			ACCUM	Ø.3	G16ØL		1	1000	1041	2	CON SI		1
NGC221-OFF	Ø 42 42.Ø		•	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON SI		1
NGC221-OFF	Ø 42 42.Ø			ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON S		1
NGC221-OFF	Ø 42 42.Ø			ACCUM	Ø.3	G57ØH		1	200	1041	2	CON SI		1
NGC221-OFFSET-STAR	Ø 42 42.Ø		•	ACQ/BINA		MIRROR		1	5	1041	2		ON	1
NGC221-OFFSET-STAR	Ø 42 42.Ø			ACQ/BINA	4.3	MIRROR		1	5	1044	2	ACQ		1
NGC221-POS-A1	Ø 42 42.Ø			ACCUM	Ø.25-PAIR	G57ØH		1	459	1044	2	CON		1
NGC221-POS-A2	Ø 42 42.Ø			ACCUM	Ø.25-PAIR	G57ØH		1	525	1044	2			1
NGC221-POS-A3	Ø 42 42.Ø			ACCUM	Ø.5-PAIR	G57ØH		1	210	1044	2	CON		1
NGC221-P0S-A4	Ø 42 42.Ø	40 51 53*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	549	1044	2			1
NGC221-NUC	Ø 42 42.1	40 51 57	PC	IMAGE	ALL	F555W		1	3	1118	Ø			1
NGC221-NUC	Ø 42 42.1	40 51 57	PC	IMAGE	ALL	F555W		1	3Ø	1118	Ø			1
NGC221-NUC	Ø 42 42.1	40 51 57	PC	IMAGE	ALL	F555W		1	100	1118	Ø			1
NGC221-NUC	Ø 42 42.1	40 51 57	PC	IMAGE	ALL.	F785LP		1	5Ø	1118	Ø			1
NGC221-NUC	Ø 42 42.1	40 51 57	PC	IMAGE	ALL	F785LP		1	18	1118	Ø			1
NGC221-NUC	Ø 42 42.1	4Ø 51 57	PC	IMAGE	ALL	F785LP		1	2	1118	Ø			1
NGC221-OFFSET-STARS-	Ø 42 42.2	40 51 42*	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø44	Ø	ACQ		1
FIELD				*										
NGC221-0FF-1	Ø 42 43.Ø	40 51 39	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	600	1277	1			1
S-AND	Ø 42 43.2	41 16 5*	FOS/BL	ACCUM	Ø.5	G16ØL		1	7ØØ	1044	1	CON		1
NGC224-0FF-1	Ø 42 43.6	41 15 51	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	600	1277	2			1
NGC224-NUC	Ø 42 44.2	41 16 9	PC	IMAGE	ALL	F555W		1	8	1118	Ø			1
NGC224-NUC	Ø 42 44.2	41 16 9	PC	IMAGE	ALL	F555W		1	8ø	1118	Ø			1
NGC224-NUC	Ø 42 44.2	41 16 9	PC	IMAGE	ALL	F555W		1	26Ø	1118	Ø			1
NGC224-NUC	Ø 42 44.2	41 16 9	PC	IMAGE	ALL	F785LP		1	6	1118	Ø			1
NGC224-NUC	Ø 42 44.2		PC	IMAGE	ALL	F785LP		1	7Ø	1118	Ø			1
NGC224-NUC	Ø 42 44.2	41 16 9	WFC	IMAGE	ALL	F23ØW		1	1000	1118	2			2
NGC224-NUC	Ø 42 44.2	41 16 9	WFC	IMAGE	ALL	F336W		1	1000	1118	2			2
NGC224-NUC	Ø 42 44.2	41 16 9	WFC	IMAGE	ALL	F555W		1	500	1118	2			2
NGC224-NUC	Ø 42 44.2	41 16 9	PC	IMAGE	ALL	F785LP		1	140	1118	Ø			1
M31-NOVA1	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G13ØH		1	65Ø	1Ø47	2			1
M31-NOVA1	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G19ØH		1	65Ø	1Ø47	2			1
M31-NOVA1	Ø 42 44.3	41 16 8	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1047	2	ACQ		1
M31-NOVA2	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G13ØH		1	65Ø	1Ø47	2			1
M31-NOVA2	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G19ØH		1	65Ø	1047	2			1
M31-NOVA2	Ø 42 44.3	41 16 8	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1047	2	ACQ		1
M31-NOVA3	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G13ØH		1	650	1Ø47	3	•		1
M31-NOVA3	Ø 42 44.3	41 16 8	FOS/BL	ACCUM	Ø.3	G19ØH		1	650	1047	3			1
M31-NOVA3	Ø 42 44.3	41 16 8	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1047	3	ACQ		1
A16-24	Ø 42 44.3	41 25 26	F0C/48	SPEC	256X1Ø24-SLIT			1	5400	1267	2	•		1
NGC221-OFF-2	Ø 42 44.3	40 51 2	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	600	1277	1			1
NGC224-POS4SW	Ø 42 44.4		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	450	1044	1			1
NGC224-POS3SW	Ø 42 44.5		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	36Ø	1044		CON		1
NGC224-POS2SW	Ø 42 44.5		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	555	1044	1			1
NGC224-POS1SW	Ø 42 44.5		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	335	1044	1	CON		1
NGC224	Ø 42 44.5		F0C/48	IMAGE	512X1Ø24	F175W		1	1500	1278	_	SEL		1
NGC224	Ø 42 44.5		F0C/48	IMAGE	128X128-ASLIT			1	100	1278		ACQ C	ON	1
• • • • • • •												SEL		

Target	RA (2000)	Inst. Dec(2000) Config	Operating . Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
NGC224	Ø 42 44.5	41 16 8 FOC/48	B IMAGE	128X128-ASLIT	F43ØW		1	100	1278	1	ACQ S	EL	2
NGC224	Ø 42 44.5	41 16 8 FOC/48	B IMAGE	128X128-ASLIT	F43ØW		1	100	1278	1	ACQ C	ON	1
NGC224	Ø 42 44.5			512X512	F1ND F48ØLP F4ND		1	600	1277	2			1
NGC224	Ø 42 44.5	- · · ·		256X1Ø24-SLIT		5175		1500	1278	Ø	SEL		1
NGC224	Ø 42 44.5			256X1Ø24-SLIT		5175		1500	1278	1	SEL		1
NGC224	Ø 42 44.5	•		256X1Ø24-SLIT		5175		225Ø	1278	1	CON S		2
NGC224	Ø 42 44.5		IMAGE	ALL	F23ØW		_	1000	1041	Ø	ACQ		1
NGC224	Ø 42 44.5		IMAGE	ALL	F375N		1	900	1044	Ø	ACQ		1
NGC224	Ø 42 44.5		IMAGE	ALL	F547M		1	300	1044	Ø	ACQ		1
NGC224	Ø 42 44.5		IMAGE	ALL	F658N		1	9ØØ	1044	Ø	ACQ		1
NGC224	Ø 42 44.5		IMAGE	ALL	F157W		_	2748	1044	Ø	ACQ		1
NGC224	Ø 42 44.5	,-		Ø.3	G16ØL		1	1000	1041	1	CON S		1
NGC224	Ø 42 44.5	41 16 8 FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON S		1
NGC224	Ø 42 44.5	41 16 8 FOS/RE	ACCUM	Ø.3	G4ØØH		1	200	1041	1	CON S	EL	1
NGC224	Ø 42 44.5	41 16 8 FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	1	CON S	EL	1
NGC224	Ø 42 44.5	41 16 8 FOS/RE	ACCUM	Ø.25-PAIR	G57ØH		1	300	1044	1			1
NGC224-CLOUD1	Ø 42 44.5	41 16 8* FOS/RE	ACCUM	Ø.25-PAIR	G57ØH		1	35Ø	1044	1	CON		1
NGC224-CLOUD2	Ø 42 44.5	41 16 8+ FOS/RE	ACCUM	Ø.25-PAIR	G57ØH		1	3ØØ	1044	1	CON		1
NGC224-CL0UD3	Ø 42 44.5	41 16 8* FOS/RE	ACCUM	Ø.25-PAIR	G57ØH		1	35Ø	1044	1	CON		1
NGC224-CL0UD4	Ø 42 44.5	41 16 8* FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	3ØØ	1044	1	CON		1
NGC224-OFF	Ø 42 44.5	41 16 8* FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	1	CON S	EL	1
NGC224-OFF	Ø 42 44.5	41 16 8* FOS/RE	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON S	EL	1
NGC224-0FF	Ø 42 44.5			Ø.3	G4ØØH		1	200	1041	1	CON S		1
NGC224-OFF	Ø 42 44.5			Ø.3	G57ØH		1	200	1041	1	CON S		1
NGC224-OFFSET-STAR	Ø 42 44.5	41 16 8* FOS/BL	. ACQ/BINA	4.3	MIRROR		1	- 5	1041	1	ACQ C	ON	1
NGC224-OFFSET-STAR	Ø 42 44.5				MIRROR		1	5	1044	1	ACQ		1
NGC224-OFFSET-STAR	Ø 42 44.5				MIRROR		ī	. 5	1044	1	ACQ C		1
NGC224-OFFSET-STAR	Ø 42 44.5				MIRROR		ī	5	1044	ī	ACQ C		1
NGC224-POS1NE	Ø 42 44.5			Ø.25-PAIR	G57ØH		ī	335	1044	1	CON		ī
NGC224-BULGE	Ø 42 44.5		IMAGE	ALL	F555W		ī	840	1278	ī	SEL P		ī
NGC224-BULGE	Ø 42 44.5		IMAGE	ALL	F555W		ī	390	1278	ī	CON S		ī
							_				PAR		
NGC224-BULGE	Ø 42 44.5		IMAGE	ALL	F785LP		1	84Ø	1278	1	SEL P		1
NGC224-BULGE	Ø 42 44.5	· · · · · · · · · · · · · · · · · · ·	IMAGE	ALL	F785LP		1	39Ø	1278	1	CON S	EL	1
M31-BULGE	Ø 42 44.6		IMAGE	ALL	F555W		1	1000	112Ø	Ø			1
M31-BULGE	Ø 42 44.6	41 17 49 WFC	IMAGE	ALL	F336W		1	2200	1120	Ø			1
M31-BULGE	Ø 42 44.8	41 17 49 WFC	IMAGE	ALL	F785LP		1	1000	112Ø	Ø			1
NGC224-POS2NE	Ø 42 44.6	41 16 9* FOS/RE	ACCUM	Ø.25-PAIR	G57ØH		1	555	1044	1			1
NGC224-POS3NE	Ø 42 44.6	41 16 9* FOS/RE) ACCUM	Ø.25-PAIR	G57ØH		1	36Ø	1044	1	CON		1
NGC224-POS4NE	Ø 42 44.6			Ø.5-PAIR	G57ØH		1	45Ø	1044	1			1
NGC224-OFFSET-STARS- FIELD	Ø 42 45.Ø	41 15 46* WFC	IMAGE	ALL	F6Ø6W		1	15	1044		ACQ		1
NGC221-OFF-3	Ø 42 45.6	40 50 4 FOC/96	IMAGE	512X1Ø24	F43ØW		1	1500	1277	2			1
NGC221-0FF-3	Ø 42 45.6			512X1024 512X1024	F48ØLP			1500	1277				i
		•	IMAGE	ALL								•	1
NGC221-POS1	Ø 42 47.7				F555W			1000	1114				
NGC221-POS1	Ø 42 47.7		IMAGE	ALL	F336W			2200	1114				1
NGC221-P0S1	Ø 42 47.7		IMAGE	ALL	F785LP		_	1000	1114				1
NGC224-0FF-4	Ø 43 2.2			512X1Ø24	F43ØW		_	1500	1277				1
NGC224-0FF-4	Ø 43 2.2			512X1Ø24	F48ØLP			1500	1277				1
NGC221-P0S2	Ø 43 4.4	4Ø 54 4Ø WFC	IMAGE	ALL	F555W		1	1000	1114	2			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		ipec. Req.	Total Lines
NGC221-P0S2	Ø 43 4.4	40 54 40	WFC	IMAGE	ALL	F336W		1	2200	1114	2		1
NGC221-P0S2	Ø 43 4.4		WFC	IMAGE	ALL	F785LP		1	1000	1114	2		ī
3C2ØW	Ø 43 7.0		PC	IMAGE	ALL	F6Ø6W		1	1200	1058	1		ī
M31-G213	Ø 43 14.6	•	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1750	1283	2		ī
M31-G213	Ø 43 14.6		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	5540	1283	2		ī
M31HALO-FIELD8	Ø 43 14.6		WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR	ī
M31HALO-FIELD8	Ø 43 14.6		WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR	1
K219	Ø 43 17.8		WFC	IMAGE	ALL	F555W		1	2500	1117	Ø		1
K219	Ø 43 17.8	39 49 11	WFC	IMAGE	ALL	F785LP		1	2200	1117	Ø		1
M31-G219	Ø 43 18.1	39 49 13	F0C/98	IMAGE	512X1Ø24	F43ØW		1	175Ø	1283	1		1
M31-G219	Ø 43 18.1	39 49 13	F0C/96	IMAGE	512X1Ø24	F43ØW		1	175Ø	1283	2		1
M31-G219	Ø 43 18.1	39 49 13	F0C/98	IMAGE	512X1Ø24	F48ØLP		1	5540	1283	1		1
M31-G219	Ø 43 18.1	39 49 13	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283	2		1
M31HALO-FIELD2	Ø 43 18.1	39 49 13	WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR	2
M31HALO-FIELD2	Ø 43 18.1	39 49 13	WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR	2
HD4128	Ø 43 38.1	-17 59 10	HRS	ACCUM	2.0	G2ØØM	1900	1	9ØØ	1176	2		1
HD4128	Ø 43 36.1	-17 59 1Ø	HRS	ACCUM	2.0	G14ØL	13Ø4	1	7ØØ	1176	2		1
HD4128	Ø 43 36.1	-17 59 10	HRS	ACCUM	2.0	G14ØL	1574	1	7ØØ	1176	2		1
G233	Ø 43 36.9	41 8 12	PC	IMAGE	ALL	F555W		1	1140	1277	1	PAR	1
G233	Ø 43 36.9	41 8 12	PC	IMAGE	ALL	F785LP		1	1140	1277	1	PAR	1
FEIGE7	Ø 43 45.9	-1Ø Ø 25	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1049	2	ACQ	1
FEIGE7	Ø 43 45.9	-1Ø Ø 25	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	2000	1049	2		4
M31-G263	Ø 44 3.3	41 4 57	F0C/98	IMAGE	512X1Ø24	F43ØW		1	1750	1283	2		1
M31-G263	Ø 44 3.3	41 4 57	F0C/96	IMAGE	512X1Ø24	F48ØLP		1	554Ø	1283	2		1
M31HALO-FIELD6	Ø 44 3.3	41 4 57	WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR	1
M31HALO-FIELD6	Ø 44 3.3	41 4 57	WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR	1
NGC221-ØØ39+4Ø35	Ø 44 12.9		PC	IMAGE	P7	F555W		1	20	1118	Ø		1
A1-14	Ø 44 14.7		F0C/48	SPEC	256X1Ø24-SLIT			1	5400	1267	2		1
ØØ42-248	Ø 44 28.1		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	4000	1267	2		1
M31-G28Ø	Ø 44 29.8		F0C/98	IMAGE	512X1Ø24	F43ØW		1	1750	1283	2		2
M31-G28Ø	Ø 44 29.8		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	5540	1283	2		2
M31HALO-FIELD3	Ø 44 29.8		WFC	IMAGE	ALL	F785LP		1	518Ø	1283	1	PAR	2
M31HALO-FIELD3	Ø 44 29.8		WFC	IMAGE	ALL	F555W		1	1389	1283	1	PAR	2
A32-33-36-38	Ø 44 32.7		F0C/48	SPEC	256X1Ø24-SLIT			1	1400	1267	2		1
NGC246	Ø 44 32.9		PC	IMAGE	ALL	F157W		1	120	1212	2		.1
NGC248	Ø 44 32.9		PC	IMAGE	ALL	F194W		1	120	1212	2		1
NGC246	Ø 44 32.9		PC:	IMAGE	ALL	F517N	4400	1	120	1212	2		1
NGC246	Ø 44 32.9		HRS	ACCUM	2.0	G14ØL	1420	1	33	1212	2		1
NGC246	Ø 44 32.9		HRS	ACCUM	2.0	G14ØL	1250	1	16	1212	2		1
NGC246	Ø 44 32.9		HRS	ACCUM	2.0	G14ØL	167Ø	1	99	1212	2		1
M31-FIELD	Ø 44 34.6		F0C/96	IMAGE	512X512	F43ØW		8	900	1237	2		1
M31-FIELD	Ø 44 34.6		F0C/96	IMAGE	512X512	F43ØW		1	720	1237	1		1
M31-FIELD	Ø 44 34.6		F0C/96	IMAGE	512X512	F48ØLP		11	900	1237	2		1
M31-FIELD	Ø 44 34.8	40 58 42	F0C/98	IMAGE	512X512	F48ØLP	1040	1	1019	1237	1		1
HD4174	Ø 44 37.2		HRS	ACCUM	Ø.25	ECH-A34	1640	1	246	1198	Ø		1
HD4174	0 44 37.2		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	1	246	1198	Ø		1
HD4174	Ø 44 37.2		HRS	ACCUM	Ø.25	ECH-A36	155Ø	1	27	1198	Ø		1
A39-42	Ø 44 5Ø.8		F0C/48	SPEC	256X1Ø24-SLIT			1	1400	1267	2		1
SMC-J2	Ø 45 9.9		F0C/48	SPEC	256X1Ø24-SLIT			1	1000	1266	2	4.00	1
0B48/444	0 45 15.3		FOS/BL	ACQ/BINA		MIRROR	1000	1	40	1150	1	ACQ	1
0B48/444	Ø 45 15.3		FOS/BL	ACCUM	Ø.5	G19ØH	1938	1	400	115Ø	1		1
0B48/444	Ø 45 15.3	41 37 47	FOS/BL	ACCUM	Ø.5	G27ØH	2766	. 1	100	1150	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectra! Element	Central Wave.	No. Exp	Exp.	ID		Spec. Req.	Tota	
0B48/444	Ø 45 15.3	41 37 47	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	3200	115Ø	1			1
SMC-L68		-73 24 4	F0C/48	SPEC	256X1Ø24-SLIT			ī	1000	1266	2			ī
ARP23Ø	Ø 48 24.1	-13 26 31	WFC	IMAGE	ALL	F555W		1	3Ø	1105	1			1
ARP23Ø	Ø 46 24.1	-13 26 31	WFC	IMAGE	ALL	F555W		1	23Ø	1105	1			ī
ARP23Ø	Ø 48 24.1	-13 26 31	WFC	IMAGE	ALL	F555W		1	1400	11Ø5	1			1
ARP23Ø	Ø 48 24.1	-13 26 31	WFC	IMAGE	ALL	F785LP		1	3Ø	1105	1			1
ARP23Ø	Ø 48 24.1	-13 26 31	WFC	IMAGE	ALL	F785LP		1	23Ø	11Ø5	1			1
ARP23Ø	Ø 46 24.1	-13 26 31	WFC	IMAGE	ALL	F785LP		1	1400	1105	1			1
NGC246	Ø 47 Ø.9	-11 52 37	WFC	IMAGE	ALL	F469N		1	2100	1107	2			1
NGC246	Ø 47 Ø.9	-11 52 37	WFC	IMAGE	ALL	F656N		1	2100	1107	2			1
NGC246	Ø 47 Ø.9	-11 52 37	WFC	IMAGE	ALL	F658N		1	2100	1107	2			1
NGC253-OFFSET-STARS-	Ø 47 29.7	′ -25 18 13 *	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø38	2	ACQ		1
FIELD														
NGC253		-25 17 17	PC	IMAGE	ALL	F5Ø2N		1	900	1038	2	ACQ		1
NGC253	Ø 47 33.2		PC	IMAGE	ALL	F664N		3	300	1038	2	ACQ		1
NGC253		-25 17 17	PC	IMAGE	ALL	F547M		1	18Ø	1Ø38	2	ACQ		1
NGC253		-25 17 17	FOS/BL	ACCUM	Ø.3	G13ØH		1	6ØØ	1Ø38	2	SEL		1
NGC253		-25 17 17	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2	SEL		1
NGC253		-25 17 17	FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1038	2	SEL		1
NGC253		-25 17 17	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1038	2	SEL		1
NGC253		-25 17 17	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2	SEL		1
NGC253-CLOUD1		-25 17 17*		ACCUM	Ø.3	G13ØH		1	600	1038	2	SEL		1
NGC253-CLOUD1		-25 17 17*		ACCUM	Ø.3	G19ØH		1	300	1038	2	SEL		1
NGC253-CLOUD1 NGC253-CLOUD1		-25 17 17*		ACCUM	Ø.3	G27ØH		1	3ØØ	1038	2	SEL		1
NGC253-CLOUD1		-25 17 17* -25 17 17*		ACCUM ACCUM	Ø.3	G4ØØH		1	3ØØ 3ØØ	1038	2	SEL SEL		1
NGC253-CLOUD2		-25 17 17*		ACCUM	Ø.3 Ø.3	G57ØH		1	500 600	1Ø38 1Ø38	2	SEL		1
NGC253-CLOUD2		-25 17 17*		ACCUM	Ø.3	G13ØH G19ØH		1	300	1038	2	SEL		1
NGC253-CLOUD2		-25 17 17*	•	ACCUM	Ø.3	G27ØH		i	300	1038	2	SEL		i
NGC253-CLOUD2		-25 17 17*	•	ACCUM	Ø.3	G4ØØH		ī	300	1038	2	SEL		i
NGC253-CLOUD2		-25 17 17*		ACCUM	Ø.3	G57ØH		ī	300	1038	2	SEL		î
NGC253-CLOUD3		-25 17 17*		ACCUM	Ø.3	G27ØH		ī	300	1038	2	SEL		ī
NGC253-CLOUD3		-25 17 17*		ACCUM	Ø.3	G4ØØH		ī	300	1038	2	SEL		ī
NGC253-CLOUD3		-25 17 17*		ACCUM	Ø.3	G57ØH		ī	300	1038	2	SEL		ī
NGC253-CLOUD3		-25 17 17*		ACCUM	Ø.3	G57ØH		ī	600	1038	2	SEL		1
NGC253-CLOUD3		-25 17 17*		ACCUM	0.3	G13ØH		1	600	1038	2	CON S	SEL	ī
NGC253-CLOUD3		-25 17 17*		ACCUM	Ø.3	G19ØH		1	300	1038	2	CON S		1
NGC253-CLOUD4		-25 17 17*		ACCUM	Ø.3	G57ØH		1	600	1Ø38	2	SEL		1
NGC253-CLOUD5		-25 17 17*		ACCUM	Ø.3	G57ØH		1	600	1038	2	SEL		1
NGC253-OFFSET-STAR	Ø 47 33.2	-25 17 17*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1Ø38	2	ACQ S	SEL	1
NGC253-OFFSET-STAR	Ø 47 33.2	-25 17 17*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	5	1Ø38	2	ACQ S	SEL	1
NGC253	Ø 47 34.4	-25 17 20	F0C/98	IMAGE	512X512	F275W		1	900	1056	2	•		1
NGC253	Ø 47 34.4	-25 17 20	F0C/288	IMAGE	512X512	F275W		1	1800	1Ø56	2	CON S	SEL	1
NGC253	Ø 47 34.4	-25 17 20	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	5400	1058	2	CON	SEL	1
ØØ46-293	Ø 48 29.6	-29 3 21	F0C/98	IMAGE	512X512	PRISM1	3575	1	9ØØ	1235	Ø			1
MKN348	Ø 48 47.2		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
MKN348	Ø 48 47.2		F0C/288	IMAGE	512X512	F32ØW		1	3ØØ	1228	2			1
MKN348	Ø 48 47.2		F0C/288	IMAGE	512X512	F372M		1	600	1228	2			1
MKN348	Ø 48 47.2		F0C/288	IMAGE	512X512	F37ØLP		1	3ØØ	1228	2			1
MKN348	Ø 48 47.2		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON		1
MK348	Ø 48 47.2		F0C/96	IMAGE	512X512	F5Ø1N		1	1000	1224	1			1
MK348	Ø 48 47.2	31 57 24	F0C/48	SPEC	256X1Ø24-SLIT	F3Ø5LP G45ØM	4400	1	3100	1224	1			1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tot: Lin	
MK348	Ø 48 47.2	2 31 57 24	F0C/48	SPEC	256X1Ø24-SLIT	F3Ø5LP G45ØM	4400	1	4900	1224	2	CON	SEL	1
MK348-OFF	Ø 48 47.3			SPEC	256X1Ø24-SLIT	F3Ø5LP G45ØM	4400	1	4900	1224	2	SEL		ī
SMC-N38	Ø 49 28.5		F0C/48	SPEC	256X1Ø24-SLIT	PRISM3			1000	1266	2			ī
M31-G351	Ø 49 33.2		F0C/96	IMAGE	512X1Ø24	F43ØW			175Ø	1283	2			ī
M31-G351	Ø 49 33.2		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	5540	1283	2			ī
M31HALO-FIELD7	ø 49 33.2		WFC	IMAGE	ALL	F785LP		ĩ	518Ø	1283	1	PAR		ī
M31HALO-FIELD7	Ø 49 33.2		WFC	IMAGE	ALL	F555W		ī	1389	1283	ī	PAR		ī
K351	Ø 49 4Ø.7		WFC	IMAGE	ALL	F555W		<u>-</u>	2500	1117	2			ī
K351	Ø 49 4Ø.7		WFC	IMAGE	ALL	F785LP		ī	2200	1117	2			ī
3C22	Ø 5Ø 56.2		WFC	IMAGE	ALL	F622W		<u>-</u>	2700	1070	1			ī
3C22	Ø 5Ø 58.2		WFC	IMAGE	ALL	F85ØLP		ī	2700	1070	1			1
AZZ104		-72 39 49	FOS/BL	ACQ/BINA		MIRROR		ī	5	1153	2	ACQ		1
AZZ104	· · · · · · · · · · · · · · · · · · ·	-72 39 49	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	6Ø	1153	2			ĩ
AZZ1Ø4		7 -72 39 49	FOS/BL	ACCUM	Ø.5	G13ØH	1379	ī	120	1153	2			1
AZZ104		-72 39 49	FOS/BL	ACCUM	Ø.5	G19ØH	1938	ĩ	120	1153	2			ĭ
ØØ5Ø-254		-25 6 51	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	2200	1267	2			1
SMC-L239		-72 45 4	F0C/96	IMAGE	512X512	F486N		ī	1000	1266	1			1
SMC-L239		-72 45 4	F0C/96	IMAGE	512X512	F5Ø1N		1	1000	1266	1			ī
SMC-L239		-72 45 4	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2			1
IZW1	Ø 53 34.9		PC	IMAGE	ALL	F555W		1	3Ø	1105	2			1
IZW1	Ø 53 34.9		PC	IMAGE	ALL	F555W		1	23Ø	11Ø5	2			ī
IZW1	Ø 53 34.9		PC	IMAGE	ALL	F555W		1	1200	1105	2			ĩ
I-ZW1	Ø 53 34.9		FOS/BL	ACCUM	Ø.5	G16ØL	1725	ĩ	1440	1029	2			2
I-ZW1	Ø 53 34.9		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029	2			1
I-ZW1-FIELD	Ø 53 34.9		WFC	IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ		1
I-ZW1-OFFSET	Ø 53 34.9		FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1029	2	ACQ		1
PGØØ52+251	Ø 54 52.2		FOS/BL	ACQ/BINA		MIRROR		1	-11	1025	2	ACQ		1
PGØØ52+251	Ø 54 52.2		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1025	2	ACQ		2
PGØØ52+251	Ø 54 52.2		FOS/RD	ACCUM	1.0	G27ØH	2753	1	600	1025	2	•		1
PGØØ52+251	Ø 54 52.2	25 25 39	FOS/BL	ACCUM	1.0	G16ØL	1837	1	120	1025	2			1
PGØØ52+251	Ø 54 52.2	25 25 39	FOS/RD	ACCUM	1.Ø	G19ØH	198Ø	1	720	1025	2			1
NGC3ØØ	Ø 54 52.7	-37 41 9	F0C/96	IMAGE	512X512	F275W		1	900	1056	2			1
NGC3ØØ	Ø 54 52.7	-37 41 9	F0C/288	IMAGE	512X512	F275W		1	1800	1056	2	CON	SEL	1
NGC3ØØ	Ø 54 52.7	-37 41 9	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	5400	1056	2	CON	SEL	1
DHMØØ54-284	Ø 56 25.2	-28 8 32	WFC	IMAGE	ALL	F6Ø6 W		1	3000	1045	Ø	ACQ		1
DHMØØ54-284	Ø 56 25.2	2 -28 8 32	FOS/RD	ACQ/BINA	4.3	MIRROR		1	28	1045	1	ACQ SEL	CON	1
DHMØØ54-284	Ø 56 25.2	2 -28 8 32	FOS/RD	ACQ/BINA	4.3	MIRROR		1	26	1045	2	ACQ SEL	CON	. 3
SMC-L3Ø5	Ø 56 3Ø.8	-72 27 4	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2			1
HD5394	Ø 56 42.6		HRS	ACCUM	2.0	MIRROR-A1		1	8	1214	Ø	CAL		1
HD5394	Ø 56 42.6		HRS	ACCUM	2.0	ECH-A	1335	1	84	1214	Ø			1
HD5394	Ø 56 42.6		HRS	ACCUM	2.0	ECH-A	13Ø2	1	84	1214	Ø			1
HD5394	Ø 56 42.6		HRS	ACCUM	2.0	ECH-A	153Ø	1	84	1214	Ø			1
3C29	Ø 57 34.9		FOS/RD	ACCUM	Ø.5	PRISM	5400	ī	500	1033	2	CON		1
3C29	Ø 57 34.9		F0C/96	IMAGE	512X512	F37ØLP	4040	ī	300	1Ø33	ø			1
3C29	Ø 57 34.9		F0C/96	IMAGE	512X512	F32ØW	3251	ī	300	1033	ø			1
3C29-FIELD	Ø 57 34.9		WFC	IMAGE	ALL	F439W	4353		15	1033	2	ACQ	CON	1
•												•		
3C29-OFFSET	Ø 57 34.9			ACQ/BINA		MIRROR		1	11	1033	2	ACQ	CUN	1
NGC315	Ø 57 48.9		F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2			1
NGC315	Ø 57 48.9	30 21 8	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1

Target	RA (2000)	Dec (2000)	Inst. (Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	Spec. Req.	Total Lines	
NGC315	Ø 57 48.9	9 3Ø 21 8	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	
OFFNGC315	Ø 57 48.9	9 3Ø 21 8 *	WFC	IMAGE	ALL	F664N		1	600	1228	1	PAR	1	
ØØ55-27Ø	Ø 57 57.9	-26 43 14	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1	
ØØ55-2659		7 -26 43 14	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	5Ø	1027	2		2	
ØØ55-2659	Ø 57 58.0	7 -28 43 14	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	1800	1027	2		1	
ØØ55-2659		7 -28 43 14	F0S/BL	ACCUM	Ø.5	G16ØL	165Ø	1	5Ø	1027	2		2	
ØØ55-2659	· ·	7 -26 43 14	F0S/BL	ACCUM	Ø.5	G16ØL	1650	1	1000	1027	2		1	
ØØ55-2659		7 -26 43 14	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	4000	1027	2	CON	1	
ØØ55-2659		-26 43 14	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	3000	1027	2	CON	1	
ØØ55-2659		-26 43 14	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	1000	1027	2	CON	1	
ØØ55-2659		-26 43 14	FOS/BL	ACQ/BINA		MIRROR		1	11	1027	2	ACQ	1	
0055-2659		-26 43 14	FOS/RD	ACQ/BINA		MIRROR		1	11	1027	2	ACQ	1	
ØØ55-2659		-26 43 14	FOS/BL	ACQ/BINA		MIRROR		1	11	1027	2	ACQ		
ØØ55-2659		7 -26 43 14	FOS/RD	ACQ/BINA		MIRROR		1	11	1027	2	ACQ		
SMC-N67		71 35 55	F0C/48	SPEC	256X1024-SLIT			1	1000	1266	2		1	
SMC-N7Ø		7 -72 1 55	F0C/48	SPEC	256X1Ø24-SLIT		1546	1	1000	1266	2		1	
HD598Ø		3 -72 9 55	HRS	ACCUM	2.0	G16ØM	1540	1	240	1166	2		1	
HD598Ø	Ø 59 26.8 Ø 59 26.8	3 -72 9 55 3 -72 9 55	HRS	ACCUM	2.0	G16ØM	1660	1 1	24Ø 18Ø	1166	2		1	
HD598Ø HD598Ø		3 -72 9 55 3 -72 9 55	HRS HRS	ACCUM	2.0	G16ØM	181Ø 186Ø	1	180	1166 1166	2		1	
HD598Ø		3 -72 9 55 3 -72 9 55	HRS	ACCUM	2.0	G16ØM	2360	1	18Ø	1166	2		1 1	
HD598Ø		3 -72 9 55 3 -72 9 55	HRS	ACCUM ACCUM	2.0	G27ØM G27ØM	259Ø	1	180	1166	2		1	
HD598Ø		3 -72 9 55	HRS	ACCUM	2.0	G27ØM	259Ø	1	120	1166	2		1	
HD598Ø	Ø 59 26.8		HRS	ACCUM	2.0	G27ØM	28ØØ	i	120	1166	2		i	
HD598Ø		-72 9 55	HRS	ACCUM	2.0	G16ØM	116Ø	2	240	1166	2		î	
HD598Ø		72 9 55	HRS	ACCUM	2.0	ECH-B	2325	3	300	1166	2		i	
HD598Ø	Ø 59 26.8		HRS	ACCUM	2.0	G27ØM	2045	ĭ	180	1166	2		ī	
HD598Ø		72 9 55	HRS	ACCUM	2.0	ECH-A	1402	4	300	1166	2		ī	
HD598Ø		3 -72 9 55	HRS	ACCUM	2.0	ECH-A	1353	4	300	1166	2		ī	
HD598Ø	Ø 59 26.8		HRS	ACCUM	2.0	ECH-A	1549	4	300	1166	2		ī	
HD598Ø		3 -72 9 55	HRS	ACCUM	2.0	ECH-A	1241	5	300	1166	2		$\bar{1}$	
HD598Ø	Ø 59 26.8	-72 9 55	HRS	WSCAN	2.0	G16ØM	1292	1	216Ø	1166	2		1	
ØØ58+Ø19	1 Ø 54.2	2 11 36	F0C/288	IMAGE	512X512	F2ND F342W		1	300	1236	2		1	
0100+130	1 3 11.3	13 16 17	F0C/288	IMAGE	512X512	F2ND F342W		1	300	1236	Ø		1	
NGC362	1 3 14.5	-70 50 53	PC	IMAGE	ALL	F555W		1	14	1Ø19	2		1	
NGC362	1 3 14.8	-70 50 53	PC	IMAGE	ALL	F785LP		1	14	1Ø19	2		1	
R31	1 4 3.8	72 58 56	HRS	ACCUM	Ø.25	G16ØM	1545	1	24Ø	1152	2		3	
RX-AND	1 4 35.6	41 17 58	F0C/98	IMAGE	512X512	F486N		1	1200	1253	2		1	
RX-AND	1 4 35.6		F0C/96	IMAGE	512X512	F5Ø1N		1	1200	1253	2		1	
IC1613-22A	1 5 1.0		F0C/96	IMAGE	512X512	PRISM1	3575	1	28ØØ	1238	1		1	
IC1813-POS-A	1 5 2.4		F0C/98	IMAGE	512X512	F165W		1	1300	1238	2		1	
IC1613-POS-A	1 5 2.4		F0C/96	IMAGE	512X512	F32ØW		1	25Ø	1238	2		1	
IC1613-POS-A	1 5 2.4		F0C/96	IMAGE	512X512	F43ØW		1	25Ø	1238			1	
IC1613-POS-B	1 5 2.4		F0C/96	IMAGE	512X512	F165W		1	1300	1238	1		1	
IC1613-POS-B	1 5 2.4		F0C/96	IMAGE	512X512	F32ØW		1	25Ø	1238			1	
IC1613-POS-B	1 5 2.4		F0C/96	IMAGE	512X512	F43ØW		1	25Ø	1238			1	
IC1613-M	1 5 5.8		F0C/96	IMAGE	512X512	PRISM1	3575	1	2800	1238			. 1	
IC1613-B42	1 5 8.4		F0C/96	IMAGE	512X512	PRISM1	3575	1	2800	1238			1	
IC1613	1 5 11.2		WEC	IMAGE	ALL	F336W		1	100	1120			1	
IC1613	1 5 11.2		WFC	IMAGE	ALL	F555W		1	100	1120			1	
IC1613	1 5 11.2		WFC	IMAGE	ALL	F336W		1	1800	1120	_		1	
IC1613	1 5 11.2	2 7 42	WFC	IMAGE	ALL	F555W		1	2100	1120	3		1.	

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp Exp. Time			Spec. Req.	Total Lines
IC1613	1 5 11.2	2 7 42	WFC	IMAGE	ALL	F785LP		1 100	1120	3		1
IC1613	1 5 11.2	2 7 42	WFC	IMAGE	ALL	F785LP		1 1800	1120	3		1
AZZ398	1 6 57.7	-71 47 59	FOS/BL	ACQ/BINA	4.3	MIRROR		1 11	1153	2	ACQ	1
AZZ398	1 6 57.7	-71 47 59	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1 180	1153	2		1
AZZ398	1 6 57.7	-71 47 59	FOS/BL	ACCUM	Ø.5	G19ØH	1938	1 180	1153	2		1
AZZ398	1 8 57.7	-71 47 59	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1 120	1153	2		1
3C31	1 7 24.9	32 24 45	F0C/98	IMAGE	512X512	F32ØW		1 300	1228	2		1
3C31	1 7 24.9		F0C/96	IMAGE	512X512	F37ØLP		1 300	1228	2		1
3C31	1 7 24.9		F0C/48	IMAGE	512X512	F18ØLP		1 600	1228	2	CON	1
3C31	1 7 24.9		F0C/48	SPEC	256X1Ø24-SLIT			1 1200	1228	2	CON	1
NGC383	1 7 24.9		F0C/98	IMAGE	512X512	F32ØW		1 600	1Ø57	3		1
NGC383	1 7 24.9		F0C/96	IMAGE	512X512	F5Ø2M		1 300	1Ø57	3		1
NGC383	1 7 24.9		F0C/288	IMAGE	512X512	F32ØW		1 600	1057	3	CON	1
NGC383	1 7 24.9		F0C/48	SPEC	256X1Ø24-SLIT		4500	1 12000	1057	3	CON	1
NGC383	1 7 24.9		F0C/48	IMAGE	128X128-ASLIT		3920	1 100	1057	3	ACQ	
3C33S	1 8 50.4		PC	IMAGE IMAGE	ALL 512X512	F6Ø6W		1 900	1058	Ø		1
3C33S	1 8 50.4		F0C/98 F0C/96	IMAGE	512X512 512X512	F48ØLP F13ØM		1 1800 1 600	1Ø58 1228	1 2		1
3C33	1 8 52.9 1 8 52.9		F0C/96	IMAGE	512X512 512X512	F32ØW		1 300	1228	2		1
3C33 3C33	1 8 52.9 1 8 52.9		F0C/48	IMAGE	512X512 512X512	F18ØLP		1 600	1228	2	CON	1
3C33	1 8 52.9		F0C/48	SPEC	256X1Ø24-SLIT			1 1200	1228	2	CON	i
3C33	1 8 52.9		F0C/48	IMAGE	128X128-ASLIT		3920	1 100	1057	3	ACQ	_
3C33	1 8 52.9		F0C/48	IMAGE	128X128-ASLIT		392Ø	1 12000	1057	3	CON	1
3C33	1 8 52.9		F0C/96	IMAGE	512X512	F5Ø2M	4950	1 600	1227	2		ī
3C33	1 8 52.9		F0C/48	SPEC	256X1Ø24-SLIT			1 600	1227	2		ī
3C34	1 10 18.5		WFC	IMAGE	ALL	F555W		1 2700	1070			ī
3C34	1 10 18.5		WFC	IMAGE	ALL	F785LP		1 2700	1070	1		1
POINTØ111+Ø21INCA221	1 11 21.1		S/C	POINTING	V1			1 Ø	1532	1		1
-4 POINTØ111+Ø21INCA221	1 11 21.1	1 55 Ø	S/C	POINTING	V1			1 Ø	1532	2		1
-4 Tatao 29	1 11 27.7	-38 5 1	PC	IMAGE	ALL	F23ØW		1 2220	1ø37	2	ACQ	1
TØ1Ø9-38 TØ1Ø9-38	1 11 27.7		FOS/RD	ACCUM	Ø.3	G57ØH		1 3000	1037	2	ACQ	i
TØ109-38	1 11 27.7		FOS/BL	ACCUM	Ø.3	G16ØL		1 3800	1037	2		î
TØ109-38	1 11 27.7		FOS/RD	ACCUM	Ø.3	G27ØH		1 2900	1037			ī
TØ1Ø9-38	1 11 27.7		FOS/RD	ACCUM	Ø.3	G4ØØH		1 1700	1037			ī
TØ1Ø9-38	1 11 27.7		FOS/RD	ACQ/BINA		MIRROR		1 11	1037	2	ACQ	ĩ
AZZ456	1 11 39.8		FOS/BL	ACQ/BINA		MIRROR		1 11	1153		ACQ	1
AZZ458	1 11 39.8		FOS/BL	ACCUM	Ø.5	G13ØH	1379	1 180	1153		•	1
AZZ456	1 11 39.8		FOS/BL	ACCUM	Ø.5	G19ØH	1938	1 180	1153	2		1
AZZ458	1 11 39.8	-72 34 53	F0S/BL	ACCUM	Ø.5	G27ØH	2766	1 120	1153	2		1
L725-32	1 12 20.4	-17 1 6	WFC	IMAGE	W4	F6Ø6W		1 100	11Ø9	3		6
Ø111+Ø21INCA221-4	1 13 43.2	2 22 17	FGS	POS	2	F583W		1 51	1532	1		3
Ø111+Ø21INCA221-4	1 13 43.2	2 22 17	FGS	POS	2	F583W		1 51	1532	2		3
INCA221-4	1 14 40.3		FGS	POS	2	F583W		1 51	1532			2
INCA221-4	1 14 40.3		FGS	POS	2	F583W		1 51	1532			2
SMC-X-1		-73 26 35	HSP/UV1	SINGLE	1.0	F135W		1 2000	1091			1
Ø114-Ø89	1 17 23.3		F0C/96	IMAGE	512X512	PRISM1	3575	1 900	1235			1
Ø114-Ø89	1 17 23.3		F0C/96	IMAGE	512X512	PRISM1	3575	1 900	1235			. 1
4UØ115+63	1 18 31.9		HSP/UV1	SINGLE	1.0	F135W	400-	1 2000	1091			1
AQ-CAS	1 19 10.4		HRS	ACCUM	Ø.25	G14ØL	1280	1 30	1174			2
AQ-CAS	1 19 10.4	62 23 49	HRS	ACCUM	Ø.25	G14ØL	1555	1 30	1174	3		2

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
POINT-CP4.1	1 21 41.6	3 25 47 13	S/C	POINTING	V1			1	ø	1Ø14	1			1
POINT-CP4.2	1 21 41.6		S/C	POINTING				ī	Ø	1014	2	CON		i
FAIRALL9	1 23 45.7		HRS	ACCUM	2.0	G14ØL	159Ø	_	1500	1170	ø	00.1		ī
FAIRALL9	1 23 45.7		HRS	ACCUM	2.0	G2ØØM	1940	1	240	117Ø	ø			î
FAIRALL9		' -58 48 22	HRS	ACCUM	2.0	G14ØL	1315		1080	117Ø	ø			i
FAIRALL9		-58 48 22	HRS	ACCUM	2.0	G27ØM	2945	ī	18Ø	1170	ĕ			i
FAIRALL9		-58 48 22 ' -58 48 22	HRS	ACCUM	2.0	G27ØM	2985	î	180	117Ø	ø			1
FAIRALL9		' -58 48 22	HRS	ACCUM	2.0	G27ØM	3Ø25	1	240	1170	ø			1
FAIRALL9		-58 48 22 ' -58 48 22	HRS		2.0	G2ØØM	1978	i	240	1170	ø			1
FAIRALL9		-58 48 22 ' -58 48 22		ACCUM ACCUM	2.0	G2ØØM	2014	i	240	117Ø	ø			1
FAIRALL9		-58 48 22 -58 48 22				G200M G200M	2052	i	240	1170	ø			
			HRS	ACCUM	2.0		2909	1	180	1170	Ø			1
FAIRALL9			HRS	ACCUM	2.0	G27ØM		1	120	1170	-			1
FAIRALL9		-58 48 22	HRS	ACCUM	2.0	G27ØM	2829	_			Ø			1
FAIRALL9		-58 48 22	HRS	ACCUM	2.0	G27ØM	2869	1	120	1170	Ø			1
FAIRALL9		-58 48 21	F0C/96	IMAGE	512X512	F5Ø2M	4950	1	300	1227	2			1
FAIRALL9		-58 48 21	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	100	1227	2			1
FAIRALL9	1 23 45.9		F0C/48	SPEC	256X1Ø24-SLIT			1	300	1227	2			1
FAIRALL9		-58 48 21	F0C/48	SPEC	256X1Ø24-SLIT		445Ø	1	300	1227	2			1
QS0Ø123-Ø16	1 25 46.6		F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2			1
Q\$0Ø123-Ø16	1 25 48.6		F0C/98	IMAGE	512X512	F502M		1	600	1228	2			1
QS0Ø123-Ø16	1 25 48.6		F0C/98	IMAGE	512X512	F37ØLP		1	300	1228	2			1
QS0Ø123-Ø16	1 25 48.6		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
QS0Ø123-Ø16	1 25 48.6		FOC/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON		1
3C4Ø-FIELD	1 25 57.7	' -1 20 2	WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ	CON	1
3C4Ø	1 25 59.7	-1 20 32	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	5øø	1Ø33	2	CON		1
3C4Ø	1 25 59.7	_		IMAGE	512X512	F37ØLP	4040	ī	300	1033	ø	40.1		î
3C4Ø	1 25 59.7		/	IMAGE	512X512	F32ØW	3251	i	300	1033	ø			i
3C4Ø-OFFSET	1 25 59.7			ACQ/BINA		MIRROR	0202	ī	11	1033	2	ACQ		î
4C25.05	1 26 42.6	_	WFC	IMAGE	ALL	F517N		î	210	1116	3	ncu		i
4C25.05	1 26 42.6		WFC	IMAGE	ALL	F517N		_	1260	1116	3			i
3C41	1 28 44.3		WFC	IMAGE	ALL	F555W		_	2700	1070	1			i
3C41	1 26 44.3		WFC	IMAGE	ALL	F785LP			2700	1070	ī			i
UM324	1 27 8.6		FOS/BL	ACQ/BINA		MIRROR		i	11	1024	2	ACQ		1
UM324	1 27 8.6		FOS/BL	ACCUM	1.0	G16ØL	1837	î	300	1024	2	ACQ		i
MKN359	1 27 32.2		F0C/98	IMAGE	512X512	F5Ø2M	495Ø	i	400	1227	2			i
MKN359	1 27 32.2		F0C/98	IMAGE	512X512 512X512	F55ØM	547Ø	i	400	1227	2			1
MKN359	1 27 32.2			SPEC	256X1Ø24-SLIT		5470	i	400	1227	2			1
MKN359			F0C/48		256X1024-SLIT		4450	i	400		_			_
	1 27 32.2		F0C/48	SPEC			4400			1227	2	4.00		1
M33-SNR2	1 33 1.1		WFC	IMAGE	ALL	F673N		1	400	1048		ACQ		1
M33-SNR2P1	1 33 1.1		* FOS/BL	ACCUM	1.0-PAIR	G13ØH		1	800	1048				1
M33-SNR2P1	1 33 1.1		•	ACCUM	1.0-PAIR	G19ØH		1	500	1048				1
M33-SNR2P1	1 33 1.1		* FOS/RD	ACCUM	1.Ø-PAIR	G27ØH		1	300	1048				1
M33-SNR2P1	1 33 1.1		* FOS/RD	ACCUM	1.0-PAIR	G4ØØH		1	300	1048				1
M33-SNR2P1	1 33 1.1		* FOS/RD	ACCUM	1.Ø-PAIR	G57ØH		1	300	1Ø48				1
STAR5-OFFSET	1 33 1.1			ACQ/BINA		MIRROR		1	11	1048		ACQ		1
Ø13Ø-4Ø3	1 33 1.9		F0C/98	IMAGE	512X512	PRISM1	3575	1	900	1235				1
NGC598-DISK-C	1 33 13.7			IMAGE	512X512	F165W		1	1300	1238				1
NGC598-DISK-C	1 33 13.7		F0C/98	IMAGE	512X512	F32ØW		1	25Ø	1238				1
NGC598-DISK-C	1 33 13.7		F0C/98	IMAGE	512X512	F43ØW		1	25Ø	1238				1
M33-FIELD137	1 33 16.1		WFC	IMAGE	ALL	F336W		1	100	1120				1
M33-FIELD137	1 33 16.1	30 53 16	WFC	IMAGE	ALL	F555W		1	100	1120	2			1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID	_	Spec. Req.	Total Lines	
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M33-FIELD137	1 33 16.1	3Ø 53 16	WFC .	IMAGE	ALL	F336W		1	18ØØ	1120	2		1	
M33-FIELD137	1 33 16.1		WFC	IMAGE	ALL	F555W		ī	2100	1120	2		î	
M33-FIELD137	1 33 16.1		WFC	IMAGE	ALL	F785LP		ī	100	1120	2		ī	
M33-FIELD137	1 33 16.1		WFC	IMAGE	ALL	F785LP		i	1800	1120	2		i	
M33/WR28	1 33 32.6		FOS/BL	ACQ/BINA		MIRROR		ī	40	1150	ī	ACQ	ī	
M33/WR28	1 33 32.6		FOS/BL	ACCUM	Ø.5	G16ØL	1836	ī	800	1150	ī		ī	
NGC595	1 33 33.8		F0C/96	IMAGE	512X512	F342W		ī	500	1257	2		1	
NGC595	1 33 33.8		F0C/96	IMAGE	512X512	F437M		ī	700	1257	2		ī	
NGC595	1 33 33.8	3Ø 41 33	F0C/96	IMAGE	512X512	F6ØØM		1	100	1257	2		1	
NGC595	1 33 33.8	30 41 33	F0C/96	IMAGE	512X512	F165W		1	3900	1257	2		1	
M33-SNR8	1 33 35.1	30 36 30	WFC	IMAGE	ALL	F673N		1	400	1048	2	ACQ	1	
M33-SNR8P1	1 33 35.1	3Ø 36 3Ø*	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	800	1048	2	•	1	
M33-SNR8P1	1 33 35.1	30 36 30*	FOS/BL	ACCUM	1.Ø-PAIR	G19ØH		1	500	1048	2		1	
M33-SNR8P1	1 33 35.1	30 36 30*	FOS/RD	ACCUM	1.Ø-PAIR	G27ØH		1	300	1048	2		1	
M33-SNR8P1	1 33 35.1	3Ø 36 3Ø*	FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH		1	300	1048	2		1	
M33-SNR8P1	1 33 35.1	30 36 30+	FOS/RD	ACCUM	1.Ø-PAIR	G57ØH		1	300	1048	2		. 1	
STAR6-OFFSET	1 33 35.1	3Ø 36 3Ø*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1048	2	ACQ	1	
NGC598-D145	1 33 39.1	3Ø 29 35	F0C/96	IMAGE	512X512	PRISM1	3575	1	28ØØ	1238	2		1	
NGC598-11ØA	1 33 41.1		F0C/96	IMAGE	512X512	PRISM1	3575	1	28ØØ	1238	2		1	
NGC598-DISK-D	1 33 45.2	30 34 21	F0C/98	IMAGE	512X512	F165W		1	1300	1238	2		1	
NGC598-DISK-D	1 33 45.2		F0C/96	IMAGE	512X512	F32ØW		1	25Ø	1238	2		1	
NGC598-DISK-D	1 33 45.2		F0C/96	IMAGE	512X512	F43ØW		1	250	1238	2		1	
NGC598-D392	1 33 48.2		F0C/96	IMAGE	512X512	PRISM1	3575	1	28ØØ	1238	2		1	
NGC598-NUC	1 33 50.9		PC	IMAGE	ALL	F555W	•	1	300	1118	Ø		1	
NGC598-NUC	1 33 50.9		PC	IMAGE	ALL	F555W		1	12	1118	Ø		1	
NGC598-NUC	1 33 50.9		PC	IMAGE	ALL	F555W		1	120	1118	Ø		1	
NGC598-NUC	1 33 50.9		PC	IMAGE	ALL	F785LP		1	10	1118	Ø		1	
NGCE98-NUC	1 33 50.9		PC	IMAGE	ALL	F785LP		1	100	1118	Ø		1	
NGC598-NUC	1 33 50.9		PC	IMAGE	ALL	F785LP		1	200	1118	Ø		1	
NGC598-NUC	1 33 50.9		WFC	IMAGE	ALL	F555W		1	100	1118	3		1	
NGC598-NUC	1 33 50.9		WFC	IMAGE	ALL	F555W		1	700	1118	3		1	
NGC598-NUC	1 33 50.9		WFC	IMAGE	ALL	F785LP		1	100	1118	3		1	
NGC598-NUC	1 33 50.9		WFC	IMAGE	ALL	F785LP		1	700	1118	3		1	
NGC598	1 33 52.2		F0C/96	IMAGE	512X512	F275W		1	900	1056	2	CON . C	_ 1	
NGC598	1 33 52.2		F0C/288	IMAGE SPEC	512X512	F275W		1	1800	1056	2	CON S		
NGC598	1 33 52.2		F0C/48 F0C/96	IMAGE	256X1Ø24-SLIT 512X512	G45ØM F165W	4500	1	5400	1Ø56 1238	2	CON S		
NGC598-DISK-A	1 33 54.0		F0C/96	IMAGE	512X512 512X512	F32ØW		1	13ØØ 25Ø	1238	2		1	
NGC598-DISK-A	1 33 54.0		F0C/98	IMAGE	512X512 512X512	F43ØW		1	250		2		1	
NGC598-DISK-A NGC598-DISK-A	1 33 54.0 1 33 54.0		F0C/98	IMAGE	512X512 512X512	F2ND F32ØW		1 1	250	1238 1238	2		1	
	1 33 54.0		F0C/98	IMAGE	512X512	F2ND F43ØW		1	25Ø	1238	2		1	
NGC598-DISK-A	1 33 54.0		F0C/96	IMAGE	512X512	F165W F2ND		i	1300	1238	2		1	
NGC598-DISK-A			S/C	POINTING		1 100# 1 2110		1	1300 Ø	1532			2	
POINTØ134+329INCA221 -9	1 33 54.4	32 31 32	U/C	1 OTH THE	**			•	Ð	1002	~			
NGC598-DISK-B	1 34 10.7	3Ø 46 3Ø	F0C/96	IMAGE	512X512	F165W		1	1300	1238	2		1	
NGC598-DISK-B	1 34 10.7		F0C/96	IMAGE	512X512	F32ØW		i	250	1238	_		i	
NGC598-DISK-B	1 34 10.7		F0C/96	IMAGE	512X512	F43ØW		i	250	1238			ī	
NGC694-P0S2	1 34 32.4		F0C/98	IMAGE	512X512	F342W		i	400	1257			ī	
NGC6Ø4-P0S2	1 34 32.4		F0C/96	IMAGE	512X512	F437M		ī	800	1257			ī	
NGC6Ø4-POS2	1 34 32.4		F0C/96	IMAGE	512X512	F6ØØM		î	100	1257	2		ī	
NGC6Ø4-POS2	1 34 32.4		F0C/96	IMAGE	512X512	F165W		ī	2800	1257			ī	
M33-DISK	1 34 32.7		WFC	IMAGE	ALL	F336W		ī	100	1120			ī	
m00 02011	_ 0, 02,,	3 4 4						-			_		-	

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID			otal ines
M33-DISK	1 34 32.7	30 47 3	WFC	IMAGE	ALL	F555W		1	100	1120	2		1
M33-DISK	1 34 32.7		WFC	IMAGE	ALL	F336W		1	18ØØ	112Ø	2		1
M33-DISK	1 34 32.7	30 47 3	WFC	IMAGE	ALL.	F555W		1	2100	1120	2		1
M33-DISK	1 34 32.7	3Ø 47 3	WFC	IMAGE	ALL	F785LP		1	100	1120	2		1
M33-DISK	1 34 32.7	30 47 3	WFC	IMAGE	ALL	F785LP		1	1800	1120	2		1
NGC6Ø4-P0S1	1 34 32.7	30 47 7	F0C/96	IMAGE	512X512	F165W		1	600	1257	1		1
NGC6Ø4-POS1	1 34 32.7	30 47 7	F0C/96	IMAGE	512X512	F437M		1	200	1257	1		1
NGC6Ø4-POS1	1 34 32.7		F0C/96	IMAGE	512X512	F6ØØM		1	100	1257	2		1
NGC6Ø4-P0S1	1 34 32.7	30 47 7	F0C/96	IMAGE	512X512	F342W		1	15Ø	1257	1		1
NGC6Ø4-POS1	1 34 32.7	30 47 7	F0C/96	IMAGE	512X512	F2ND F342W		1	25Ø	1257	2		1
NGC6Ø4-POS1	1 34 32.7		F0C/96	IMAGE	512X512	F2ND F437M		1	45Ø	1257	2		1
M33-FIELDN6Ø4	1 34 33.1		WFC	IMAGE	ALL	F336W		1	1000	1120	1		1
M33-FIELDN6Ø4	1 34 33.1		WFC	IMAGE	ALL	F555W		1	400	1120	1		1
M33-FIELDN6Ø4	1 34 33.1		WFC .	IMAGE	ALL	F656N		1	2200	1120	1		1
M33-FIELDN6Ø4	1 34 33.1		WFC	IMAGE	ALL	F785LP	2575	1	400	1120	1		1
Ø132-198	1 34 39.2		F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	1		1
HD9828	1 36 47.3		F0C/96	OCC	512X512-FØ.4	F37ØLP		1	1500	1274	2		1
3C48	1 37 41.3		WFC	IMAGE	ALL	F725LP		1	12	1116	1		1
3C48	1 37 41.3		WFC	IMAGE	ALL	F725LP		1	17ØØ 212	1116 1116	1		1
3C48	1 37 41.3		WFC	IMAGE	ALL 512X512	F725LP F43ØW		1	1800	1234	1 1		1
3C48 3C48	1 37 41.3 1 37 41.3		F0C/96	IMAGE IMAGE	512X512 512X512	F342W		i	1800	1234	2		1 1
3C48	1 37 41.3		F0C/98 F0C/288	IMAGE	512X512 512X512	F152M		i	2039	1232	1		2
3C48	1 37 41.3		FOS/RD	ACCUM	Ø.5	PRISM	5400	ī	1440	1029	2		3
3C48	1 37 41.3		FOS/RD	ACQ/BINA		MIRROR	0400	ī	22	1029	2	ACQ	1
Ø134+329	1 37 41.3		PC	IMAGE	P8	F6Ø6W		ī	30	1139	2	ned	i
Ø134+329	1 37 41.3		PC	IMAGE	P8	F725LP		ī	7Ø	1139	2		· i
Ø134+329INCA221-9	1 37 41.3		FGS	POS	2	F583W		ī	51	1532	2		ē
3C48	1 37 41.3		F0C/96	IMAGE	512X512	F17ØM		ī	600	1228	2		ĭ
3C48	1 37 41.3		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C48	1 37 41.3		F0C/288	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C48	1 37 41.3		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
3C48	1 37 41.3		PC	IMAGE	ALL	F128LP		1	7Ø8	1Ø32	1	ACQ	1
3C48	1 37 41.3	33 9 35	PC	IMAGE	ALL	F725LP		1	7Ø8	1Ø32	1	ACQ	1
3C48	1 37 41.3	33 9 35	FOS/BL	ACCUM	Ø.5	G27ØH		1	400	1043	2		1
3C48	1 37 41.3	33 9 35	FOS/RD	ACCUM	Ø.5	G65ØL		1	28Ø	1Ø32	1	CON SEL	
3C48	1 37 41.3		FOS/RD	ACCUM	Ø.5	PRISM		1	28Ø	1032	1	CON SEL	
3C48	1 37 41.3		FOS/BL	ACCUM	Ø.5	G13ØH		1	1600	1043	2		1
3C48	1 37 41.3		FOS/RD	ACQ/BINA		MIRROR		1	2	1032	1	ACQ CON	
3C48	1 37 41.3		FOS/BL	ACQ/BINA		MIRROR		1	11	1043	2	ACQ	1
3C48	1 37 41.3		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		1	2553	1032	1	CON SEL	
3C48	1 37 41.3		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	2553	1032	1	CON SEL	
3C48	1 37 41.3		FOS/RD	**	Ø.7X2.Ø-BAR	MIRROR		1	10	1032	1	ACQ CON	
SKY12	1 37 41.3			ACCUM	Ø.7X2.Ø-BAR	G65ØL	65ØØ	1	7Ø8	1Ø32	1	PAR	2
INCA221-9	1 37 41.4		FGS	POS	2	F583W		1	51	1532	2	CON CA	4
HD10144		-57 14 12	HRS	ACCUM	2.0	MIRROR-A1 ECH-A	1225	1	3	1214	3	CON CAL	
HD1Ø144		-57 14 12	HRS	ACCUM	2.0 2.0	ECH-A	1335 1302	1 1	30	1214	3	CON	1
HD1Ø144		-57 14 12	HRS	ACCUM	2.0	ECH-A	1530		30	1214	3	CON	1
HD10144		-57 14 12	HRS WFC	ACCUM IMAGE	2.0 W4	F6Ø6W	1998	1 1	3Ø 23Ø	1214 1109	3	CON	1 6
L726-8AB GLIESEØ65		-17 57 47 -17 57 29	FGS	POS	PRIME	F55ØW		1	23 6 52	1005	1	CON	12
GLIESEØ65		-17 57 29	FGS	POS	PRIME	F55ØW		1	52 52	1005	2	CON	12
GE TEOLDOO	1 30 00.3	-11 01 29	1 43	1 00		. 50011		-	52	TDDO	~	CO11	12

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LIESCERES	Target	RA (2000)	Dec (2000)			Aperture					ID	Cy.	•	
CLIESEAGE 1 38 56.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2985 1 CON 12 CLIESEAGE 1 38 56.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2985 2 CON 12 CLIESEAGE 1 38 56.3 -17 67 29 FGS POS PRIME F556W 1 52 2985 3 CON 52 CLIESEAGE 1 38 56.3 -17 67 29 FGS POS PRIME F556W 1 1 52 2985 3 CON 52 CLIESEAGE 1 38 56.3 -17 67 29 FGS POS PRIME F556W 1 1 52 2985 3 CON 52 CLIESEAGE 1 38 56.3 -17 67 29 FGS POS PRIME F556W 1 1 500 305 1 ACQ 1 1 FM 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			, ,	J		•	-		•			•	•	
CLIESEBOSE 1 38 86.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2935 1 CON 12 CLIESEBOS 1 38 60.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2935 2 CON 12 CLIESEBOS 1 38 60.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2935 2 CON 12 CLIESEBOS 1 38 60.3 -17 67 29 FGS POS POS PRIME F556W 1 52 2935 3 CON 5 CLIESEBOS 1 38 60.3 -17 67 29 FGS TANNS PRIME F556W 1 1 580 2935 3 CON 5 CLIESEBOS 1 38 60.3 -17 67 29 FGS TANNS PRIME F556W 1 1 1 100 30 1 ACQ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GLIESEØ65	1 38 50.3	3 -17 57 29	FGS	POS	PRIME	F55ØW		1	52	1005	3	CON	. 5
CLIESEAGES 1 38 56.3 -17 57 29 FGS POS PRIME F556W 1 52 2935 2 CON 12 CLIESEAGE 1 38 56.3 -17 57 29 FGS POS PRIME F556W 1 1 52 2935 3 CON 5 CLIESEAGE 1 38 56.3 -17 57 29 FGS POS PRIME F556W 1 1 160 1605 1 ACQ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 38 50.3	3 -17 57 29	FGS	POS				1	52	2935	1	CON	-
CLIESEB685		1 38 50.3	3 -17 57 29	FGS	POS				1	52	2935	2	CON	
CLIESEB865		1 38 50.3	3 -17 57 29	FGS	POS				1	52	2935	3	CON	
CLIESEGES 1 38 56.3 -17 57 29 FGS TRANS PRIME F683W 1 1 1800 2935 1 ACQ 1 PHIL1993 1 39 57.3 1 31 46 FOC/96 IMAGE 512X512 F430W 1 1 1800 1234 0 1 1 FHIL1993 1 39 57.3 1 31 46 FOC/96 IMAGE 512X512 F430W 1 1 1800 1234 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 38 50.3	3 -17 57 29	FGS	TRANS				1	100	1005	1	ACQ	
PHL1893		1 38 50.3	3 -17 57 29	FGS					1	100	2935	1	ACQ	
PHILEPS 1 39 57.8 1 31 64 FOC 48 SPEC SEXTRE SEXTRE 1 5060 1234 1 CON 1 3C49 1 41 9.1 13 53 28 WFC IMAGE ALL F555EP 1 2760 1070 1 1 1 1 1 1 1 1 1		1 39 57.3	3 1 31 46	F0C/98	IMAGE				1	1800	1234	Ø	•	1
3C49 1 41 9.1 13 53 28 WFC	PHL1Ø93	1 39 57.3	3 1 31 46	F0C/96	IMAGE	512X512	F342W		1	1800	1234	2		1
1 41 9.1 13 52 28 WFC	PHL1Ø93	1 39 57.3	3 1 31 46	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	9000	1234	1	CON	1
3C49	3C49	1 41 9.1	13 53 28	WFC	IMAGE	ALL	F555W		1	2700	1070	1		1
		1 41 9.1	13 53 28	WFC	IMAGE	ALL	F785LP		1	27ØØ	1070	1		1
HO19516	Ø14Ø-3Ø6	1 42 54.8	3 -30 23 45	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1
Indignost 1 43 39.6 56 41 26 FOC/288 OCC 512X1624-F6.4 F342W POL.26 1 306 1275 2 1 1 1016518 1 43 57.8 2 26 59 FOC/288 OCC 512X1624-F6.4 F342W POL.26 1 306 1275 2 2 1 1 1 1 1 1 1 1	HD1Ø518	1 43 39.6	3 50 41 20	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	3ØØ	1275	2		1
Holisties	HD1Ø518	1 43 39.6	50 41 20	F0C/288	DCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
MAINST3	HD1Ø518	1 43 39.6	50 41 20	F0C/288	OCC	512X1Ø24-FØ.4	F342W POL6Ø		1	300	1275	2		1
MANSF3	HD1Ø516	1 43 39.6	3 50 41 20	F0C/288	OCC	512X1Ø24-FØ.4	F342W P0L12Ø		1	3ØØ	1275	2		1
MANST3	MKN573	1 43 57.8	2 20 59	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
MINEST3		1 43 57.8	2 20 59	F0C/288	IMAGE	512X512	F32ØW		1	300				1
Ministra	MKN573	1 43 57.8	2 20 59	F0C/288		512X512	F372M		1	600		2		1
HD10700	MKN573	1 43 57.8	2 2Ø 59	F0C/288		512X512	F5Ø2M		1	600				1
HD18798	MKN573						GRAT-PRISM		1				CON	1
HD187769	HD1Ø7ØØ	1 44 4.6							4					4
HD107700	HD1Ø7ØØ	1 44 4.0							4	14Ø				-
										_				
HD18788									_				ACQ	
1									_	-				
HD16700				• •										
### 143-@15	**													
### 143-015									_			_	ACQ	
### 143-### 1												-		
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0143-015				•										
0143-015 1 45 51.2 -1 20 31 FOS/RD ACCUM 0.5 G190H 1900 1 3000 1027 2 CON 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACCUM 0.5 G270H 2700 1 1000 1027 2 CON 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 0 ACQ 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 0 ACQ 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 0 ACQ 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 0 ACQ CON 1 0143-015 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 0143-016 1 45 51.2 -1 20 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 0143-018 1 45 51.2 -1 20 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 0 1 1 0143-018 1 45 51.2 -1 20 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 0 1 1 0143-010 1 46 19.9 -0 46 29 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 0 1 1 0142-614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F50W 1 500 1051 0 ACQ 1 1 0142-614 <td< td=""><td></td><td></td><td></td><td>. •</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				. •										
## 143-Ø15														
Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1027 Ø ACQ 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 Ø ACQ 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1027 Ø ACQ 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 Ø ACQ CON 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 Ø 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 Ø 1 Ø143-Ø16 1 46 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 Ø 1 Ø143-Ø16 1 46 19.9 -Ø 46 29 FOC/96 IMAGE 512X512 PRISM1 3575 1 900 1235 Ø 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE 512X512 PRISM1 3575 1 900 1235 Ø 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F555W 1 500 1051 Ø CON 1 Ø142+614 1 46 23.6 61 45 17* FOS/RD ACCUM 0.3 PRISM 1 2600 1051 Ø				•								_		
Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 Ø ACQ 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 9ØØ 1235 Ø 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 9ØØ 1235 Ø 1 Ø143-Ø1Ø 1 46 19.9 -Ø 46 29 FOC/96 IMAGE 512X512 PRISM1 3575 1 9ØØ 1235 Ø 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F7Ø2W 1 5ØØ 1051 Ø ACQ 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F505W 1 5ØØ 1051 Ø ACQ 1 Ø142+614 1 46 23.6 61 45 17* FOS/RD ACCUM Ø.3 PRISM 1 26ØØ 1051 Ø ACQ 1 Ø142+614-OFFSET 1 48 23.6 61 45 17* FOS/RD ACQ/BINA 4.3 MIRROR 1 7 1051 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1								2700	_					_
Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø143-Ø10 1 46 19.9 -Ø 46 29 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F702W 1 50Ø 1051 Ø 1 Ø142+614-FIELD 1 46 23.6 61 45 17* FOS/RD ACCUM Ø.3 PRISM 1 50Ø 1051 Ø ACQ 1 Ø142+614 1 46 23.6 61 45 17* FOS/RD ACCUM Ø.3 PRISM 1 260Ø 1051 Ø CON 1 Ø142+614-OFFSET 1 46 23.6 61 45 17* FOS/RD ACQ/BINA 4.3 MIRROR 1 7 1051 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 540Ø 1 30Ø 1146 2 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1									_				•	
Ø143-Ø15 1 45 51.2 -1 2Ø 31 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1027 2 ACQ CON 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 I 1 Ø143-Ø1Ø 1 46 19.9 -Ø 46 29 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø142+B14-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F702W 1 50Ø 1051 Ø 1 Ø142+B14-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F555W 1 50Ø 1051 Ø 1 Ø142+B14 1 46 23.6 61 45 17* F0S/RD ACCUM Ø.3 PRISM 1 26ØØ 1051 Ø CON 1 Ø142+B14-OFFSET 1 48 23.6 61 45 17* F0S/RD ACQ/BINA 4.3 MIRROR 1 7 1051 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 54ØØ 1 3ØØ 1146 2 1 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1							_					_		_
Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 I 1 Ø143-Ø1Ø 1 48 19.9 -Ø 48 29 FOC/98 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 1 Ø142+614-FIELD 1 48 22.2 61 45 7 WFC IMAGE ALL F7Ø2W 1 5ØØ 1Ø51 Ø ACQ 1 Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F555W 1 5ØØ 1Ø51 Ø ACQ 1 Ø142+614 1 48 23.6 61 45 17* F0S/RD ACCUM Ø.3 PRISM 1 26ØØ 1Ø51 Ø CON 1 Ø142+614-OFFSET 1 48 23.6 61 45 17* F0S/RD ACQ/BINA 4.3 MIRROR 1 7 1Ø51 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 54ØØ 1 3ØØ 1146 2 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1									_					
Ø143-Ø16 1 45 51.2 -1 2Ø 31 FOC/96 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 1 1 1 1 1 1 148 2 ACQ 1 1 1 1 148 2 ACQ 1 1 1 1 148 2 ACQ 1 1 1 1 1 1 148 2 ACQ 1 1 1 1 1 1 148 2 ACQ 1 1 1 1 1 1 148 2 ACQ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							•	0575					ACU	
Ø143-Ø1Ø 1 48 19.9 -Ø 48 29 FOC/98 IMAGE 512X512 PRISM1 3575 1 90Ø 1235 Ø 1 Ø142+614-FIELD 1 48 22.2 61 45 7 WFC IMAGE ALL F7Ø2W 1 50Ø 1051 Ø 1 Ø142+614-FIELD 1 46 23.6 61 45 7 WFC IMAGE ALL F555W 1 50Ø 1051 Ø ACQ 1 Ø142+614 1 46 23.6 61 45 17* FOS/RD ACCUM Ø.3 PRISM 1 260Ø 1051 Ø CON 1 Ø142+814-OFFSET 1 46 23.6 61 45 17* FOS/RD ACQ/BINA 4.3 MIRROR 1 7 1051 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 540Ø 1 30Ø 1146 2 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1148				•										
Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F702W 1 500 1051 0 1051 0 10142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F555W 1 500 1051 0 ACQ 1 1051 0 ACQ				•										
Ø142+614-FIELD 1 46 22.2 61 45 7 WFC IMAGE ALL F555W 1 500 1051 0 ACQ 1 Ø142+614 1 46 23.6 61 45 17* F0S/RD ACCUM Ø.3 PRISM 1 2600 1051 0 CON 1 Ø142+614-OFFSET 1 46 23.6 61 45 17* F0S/RD ACQ/BINA 4.3 MIRROR 1 7 1051 0 ACQ CON 1 UM141 1 49 18.7 1 57 23 F0S/RD ACCUM 1.0 PRISM 5400 1 300 1146 2 1 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 F0S/BL ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 F0S/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1				•				35/5						
Ø142+614 1 46 23.6 61 45 17* FOS/RD ACCUM Ø.3 PRISM 1 26ØØ 1Ø51 Ø CON 1 Ø142+614-OFFSET 1 46 23.6 61 45 17* FOS/RD ACQ/BINA 4.3 MIRROR 1 7 1Ø51 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 FOS/RD ACCUM 1.Ø PRISM 54ØØ 1 3ØØ 1146 2 1 UM141 1 49 18.7 1 57 23 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1									_				A C O	
Ø142+814-OFFSET 1 46 23.6 61 45 17* FOS/RD ACQ/BINA 4.3 MIRROR 1 7 1051 Ø ACQ CON 1 UM141 1 49 18.7 1 57 23 FOS/RD ACCUM 1.0 PRISM 5400 1 300 1146 2 1 UM141 1 49 18.7 1 57 23 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1														
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UM141 1 49 18.7 1 57 23 FOS/BL ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1 UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1148 2 ACQ 1	0142+614-UFF5E1	1 46 23.6	01 45 1/4	רטיס/אט	VCH\RINY	4.5	WTKKNK		1	1	TRPI	Ю	ACU	CON I
UM141 1 49 18.7 1 57 23 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 1146 2 ACQ 1								5400						
— · · · · · · · · · · · · · · · · · · ·													•	
INVIA1 1 49 18 7 1 57 23 FOS/RI ACCIN 1 8 C1881 1837 1 888 1148 2 1													ACQ	
Omiti 1 40 10.1 1 01 20 100/DE 7000m 1.0 Globe 1001 1 000 1140 2	UM141	1 49 18.7	1 57 23	FOS/BL	ACCUM	1.0	G16ØL	1837	1	6ØØ	1146	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Су.	Spec. Req.	
PHL1186-GROUP	1 50 25.4	9 14 52	F0C/98	IMAGE	512X512	F231M		1	900	1233	2		1
PHL1186-GROUP	1 50 25.4	9 14 52	F0C/98	IMAGE	512X512	F152M		ī	1800	1233	2		ī
PHL1186	1 50 25.4	9 14 50	F0C/96	IMAGE	512X512	F152M	1500	ī	500	1227	2		ĩ
PHL1186	1 50 25.4	9 14 50	F0C/96	IMAGE	512X512	F19ØM	1975	1	400	1227	2		ī
PHL1186	1 50 25.4	9 14 50	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		ī	600	1227	2		ī
A262	1 52 46.4	36 9 6	F0C/98	IMAGE	512X512	F12ØM		ī	900	1251	2		ī
A262	1 52 46.4		F0C/98	IMAGE	512X512	F372M		ī	900	1251	2		î
INCA221-14	1 53 3.2	-33 18 43	FGS [*]	POS	2	F5ND		ī	51	1532	ī		2
INCA221-14	1 53 3.2	-33 18 43	FGS	POS	2	F5ND		1	51	1532	2		2
Ø15Ø-334INCA221-14	1 53 10.0	-33 10 26	FGS	POS	2	F55ØW		ī	51	1532	ī		ī
Ø15Ø-334INCA221-14	1 53 10.0	-33 10 26	FGS	POS	2	F583W		ī	51	1532	î		2
Ø150-334INCA221-14	1 53 10.0	-33 10 26	FGS	POS	2	F55ØW		ī	51	1532	2		ī
Ø15Ø-334INCA221-14	1 53 10.0	-33 10 26	FGS	POS	2	F583W		ī	51	1532	2		2
Ø151+Ø48	1 53 53.9	5 2 57	F0C/288	IMAGE	512X512	F342W		ī	300	1236	2		ī
POINTØ15Ø-334INCA221 -14	1 53 55.0	-33 16 10	s/c	POINTING	V1			ī	Ø	1532	1		ī
POINTØ15Ø-334INCA221	1 53 55.0	-33 16 10	s/c	POINTING	V1			1	ø	1532	2		1
Ø153+Ø45	1 56 36.1	4 45 38	FOS/RD	ACCUM	Ø.5	PRISM	35ØØ	1	5Ø	1027	2		2
Ø153+Ø45	1 56 38.1	4 45 38	FOS/RD	ACCUM	Ø.5	PRISM	3500	ī	1800	1027	2		ī
Ø153+Ø45	1 56 38.1	4 45 38	FOS/BL	ACCUM	Ø.5	G16ØL	1650	ī	50	1027	2		2
Ø153+Ø45	1 56 36.1	4 45 38	FOS/BL	ACCUM	Ø.5	G16ØL	1650	ī	1000	1027	2		ī
Ø153+Ø45	1 56 36.1	4 45 38	FOS/BL	ACCUM	Ø.5	G13ØH	1300	ī	4000	1027	2	CON	ī
Ø153+Ø45	1 56 36.1	4 45 38	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	3000	1027	2	CON	ī
Ø153+Ø45	1 56 36.1	4 45 36	FOS/RD	ACCUM	Ø.5	G27ØH	2700	ī	1000	1027	2	CON	ī
Ø153+Ø45	1 56 36.1	4 45 36	FOS/BL	ACQ/BINA	4.3	MIRROR		ĩ	11	1027	2	ACQ	ī
Ø153+Ø45	1 56 36.1	4 45 38	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1027	2	ACQ	1
Ø153+Ø45	1 56 36.1	4 45 38	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1027	2	•	CON 1
Ø153+Ø45	1 56 36.1	4 45 38	FOS/RD	ACQ/BINA		MIRROR		1	11	1027	2		CON 1
UM381	1 57 9.6	-1 47 30	FOS/BL	ACQ/BINA		MIRROR		1	11	1024	2	ACQ	1
UM381	1 57 9.6		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1024	2	ACQ	1
UM381	1 57 9.8		F0S/BL	ACÇUM	1.0	G16ØL	1837	1	300	1024	2	•	1
UM381	1 57 9.6	-1 47 30	FOS/RD	ACCUM	1.0	G19ØH	1980	1	600	1024	2		1
UM381	1 57 9.6	-1 47 30	FOS/RD	ACCUM	1.0	G27ØH	2753	1	660	1024	2		1
IC1747	1 57 35.8	63 19 18	F0C/48	IMAGE	512X512	F195W		1	1019	1265	2		1
IC1747	1 57 35.6	63 19 18	F0C/48	IMAGE	512X512	F275W		1	1019	1265	2		1
IC1747	1 57 35.8	63 19 18	F0C/98	IMAGE	512X1Ø24	F486N		1	1Ø19	1265	2		1
IC1747	1 57 35.6	63 19 18	F0C/96	IMAGE	512X1Ø24	F5Ø1N		1	1019	1265	2		1
MARK1Ø14	1 59 49.7	Ø 23 41	F0C/98	IMAGE	512X512	F21ØM		1	900	1233	2		1
MARK1Ø14	1 59 49.7	Ø 23 41	F0C/98	IMAGE	512X512	F140M		1	1800	1233	2		1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	200	1026	Ø		1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	3000	1028	Ø		1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	400	1026	Ø		1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/RD	ACCUM	0.5	G19ØH	1900	1	1500	1026	Ø		1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/BL	ACQ/BINA		MIRROR		1	5	1026	Ø	ACQ	1
NABØ2Ø5+Ø2	2 7 49.8	2 42 55	FOS/RD	ACQ/BINA		MIRROR		1	5	1026	Ø	ACQ	1
HD13445	2 8 32.0		F0C/98	0CC	512X512-FØ.4	F37ØLP		1	1500	1274	2		1
UM402	2 9 50.6	-Ø 5 5	FOS/BL	ACQ/BINA		MIRROR		1	11	1025	2	ACQ	1
UM402	2 9 50.6	-Ø 5 5	FOS/RD	ACQ/BINA		MIRROR		1	11	1Ø25	2	ACQ	2
UM4Ø2	2 9 50.6	-Ø 5 5	FOS/RD	ACCUM	1.0	G4ØØH	4Ø13	1	300	1025	2		1
UM4Ø2	2 9 50.8	-Ø 5 5	FOS/BL	ACCUM	1.0	G16ØL	1837	1	240	1025	2		1
UM4Ø2	2 9 50.6	-Ø 5 5	FOS/RD	ACCUM	1.0	G27ØH	2753	2	45Ø	1025	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
PKSØ215+Ø15	2 17 48.9	1 44 50	F0S/BL	ACQ/BINA	4.3	MIRROR		1	5	1029	2	ACQ	1
PKSØ215+Ø15	2 17 48.9		FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	2	•	3
PKSØ215+Ø15	2 17 48.9	1 44 50	FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029	2		2
PKSØ215+Ø15	2 17 48.9	1 44 50	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1500	1029	2		1
Ø215+Ø15	2 17 49.0	1 44 50	F0C/288	IMAGE	512X512	F342W		1	300	1236	2		1
MIRA-B	2 19 20.7	-2 58 39	HRS	ACCUM	Ø.25	ECH-A	1550	1	1000	1169	3		1
MIRA-B	2 19 20.7	-2 58 39	HRS	ACCUM	Ø.25	ECH-B	28ØØ	1	1000	1169	3		1
MIRA-B	2 19 20.7	-2 58 39	HRS	ACCUM	Ø.25	ECH-A	1335	1	1000	1169	3		1
MIRA-B	2 19 20.7	-2 58 39	HRS	ACCUM	Ø.25	ECH-B	18Ø8	1	1000	1169	3		1
MIRA-B	2 19 20.7		HRS	ACCUM	Ø.25	G16ØM	1477	1	1000	1169	3		1
MIRA-B	2 19 20.7		HRS	ACCUM	Ø.25	G16ØM	1216	1	2000	1169	3		1
MIRA-B	2 19 20.7	-2 58 39	F0C/288	OCC	512X1Ø24-FØ.4			1	1200	1169	3		1
HD14386	2 19 20.7		F0C/288	IMAGE	256X256	F17ØM F175W		1	72Ø	1252	3		2
HD14386	2 19 20.7		F0C/288	IMAGE	256X256	F22ØW F231M F2ND		1	720	1252	3		2
HD15ØØ8	2 21 45.0		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		. 1
HD15ØØ8		-68 39 34	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1
HD15ØØ8	2 21 45.0		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2		. 1
HD15ØØ8	2 21 45.0		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
3C66A	2 22 39.5		FOS/BL	ACCUM	1.0	G27ØH		1	400	1043	2	CON	1
3C66A	2 22 39.5		FOS/BL	ACCUM	1.0	G13ØH		1	1600	1043	2	CON	1
3C66A	2 22 39.5		FOS/BL	ACQ/BINA		MIRROR		1	11	1043	2	ACQ	
3C66B	2 23 11.5		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON	1
3C66B-FIELD	2 23 11.5	42 59 32	WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ	CON 1
3C66B-OFFSET	2 23 11.5	42 59 32*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1ø33	2	ACQ	CON 1
3C66B	2 23 11.5	42 59 31	F0C/96	IMAGE	512X512	F13ØM		1	600	1228	2		1
3C66B	2 23 11.5	42 59 31	F0C/98	IMAGE	512X512	F22ØW		1	24ØØ	1228			1
3C66B	2 23 11.5		F0C/96	IMAGE	512X512	F32ØW		1	2400	1228	Ø		1
3C66B	2 23 11.5		F0C/96	IMAGE	512X512	F5Ø2M_		1	1200	1228	Ø		1
3C66B	2 23 11.5		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C66B	2 23 11.5		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
3C65	2 23 43.5		WFC	IMAGE	ALL	F7Ø2W		1	2700	1070	Ø		1
3C65	2 23 43.5		WFC	IMAGE	ALL	F85ØLP		1	2700	1070	Ø		1
3C65	2 23 43.5		F0C/96	IMAGE	512X512	F342W		1	2000	1229	2		1
3C65	2 23 43.5		F0C/96	IMAGE	512X512	F43ØW		1	2000	1229	2		1
3C67	2 24 12.3		F0C/96	IMAGE	512X512	F152M		1	6ØØ	1228	2		1
3C87	2 24 12.3		F0C/98	IMAGE	512X512	F37ØLP		1	3ØØ	1228	2	CON	1
3C67	2 24 12.3		F0C/48	IMAGE	512X512 256X1Ø24-SLIT	F18ØLP		1	600	1228	2 2	CON	1
3C67 RWTRI	2 24 12.3		F0C/48	SPEC POS	256X1924-5L11	F55ØW		1	12ØØ 52	1228 1000	2 Ø	CUN	1 8
RWTRI	2 25 35.6 2 25 35.6		FGS FGS	POS	2	F55ØW		1	52 52	1000	1		2Ø
RWTRI	2 25 35.6 2 25 35.6		FGS	POS	2	F55ØW		1	52 52	1000	2		2Ø 2Ø
RWTRI			FGS	POS	2	F55ØW		1	52 52	2933	Ø		210 8
RWTRI	2 25 35.6 2 25 35.6		FGS	POS	2	F55ØW		1	52 52	2933	1		20
RWTRI	2 25 35.6		FGS	POS	2	F55ØW		1	52 52	2933			2Ø
RWTRI	2 25 35.6		FGS	TRANS	ANY	F583W		1	100	1000			1
RWTRI	2 25 35.6		FGS	TRANS	ANY	F583W		1	100	2933			1
NGC936-NUC	2 27 37.5		PC	IMAGE	ALL	F785LP		1	11	1118			i
NGC936-NUC	2 27 37.5		PC	IMAGE	ALL	F785LP		1	110	1118			i
NGC936-NUC	2 27 37.5		PC	IMAGE	ALL	F555W		i	15	1118			1
NGC936-NUC	2 27 37.5	_	PC	IMAGE	ALL	F555W		î	153	1118			î
QØ226-1Ø4		-10 11 10	FOS/RD	ACCUM	1.0	PRISM		î	300	1146			i
4	2 20 03.1		. 50/10	ACCOM				-		1170	-		•

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
QØ226-1Ø4	2 28 30 1	-10 11 10	FOS/RD	ACQ/BINA	4 2	MIRROR		1	11	1146	1	ACQ		1
QØ226-104		-10 11 10	FOS/BL	ACQ/BINA		MIRROR		i	ii	1146	2	ACQ		î
QØ226-104		-10 11 10	FOS/BL	ACCUM	1.0	G16ØL	1837	ī	600	1146	2			ī
HD1557Ø	2 32 49.4		HSP/UV2	PRISM	1.0	F262M/F145M	100.	_	1800	1095	ø			2
3C68.2	2 34 23.8		WFC	IMAGE	ALL	F785LP			2700	1070	1			ī
FEIGE24	2 35 7.4		FGS	POS	2	F55ØW		1	52	1000	ø			8
FEIGE24	2 35 7.4		FGS	POS	2 .	F55ØW		ī	52	1000	1			2Ø
FEIGE24	2 35 7.4		FGS	POS	2	F55ØW		ī	52	1000	2			Ø
FEIGE24	2 35 7.4	3 43 55	FGS	POS	2	F55ØW		1	52	2932	Ø			8
FEIGE24	2 35 7.4	3 43 55	FGS	POS	2	F55ØW		1	52	2932	1		2	2Ø
FEIGE24	2 35 7.4	3 43 55	FGS	POS	2	F55ØW		1	52	2932	2		2	20
FEIGE24	2 35 7.4	3 43 55	FGS	TRANS	ANY	F583W		1	100	1000	Ø			1
FEIGE24	2 35 7.4	3 43 55	FGS	TRANS	ANY	F583W		1	100	2932	Ø			1
A0Ø235+164	2 38 38.9		HSP/UV2	STAR-SKY	Ø.4-C	F14ØLP		1	6Ø	1099	1			Ø
AOØ235-COMP	2 38 38.9			ACCUM	Ø.5	G19ØH			4 <i>0</i> 00	1035	2			1
A0Ø235-COMP	2 38 38.9			ACCUM	Ø.5	PRISM	3500		4000	1035	2			1
A0Ø235+164	2 38 38.9		WFC	IMAGE	W1	F791W		1	600	1Ø35	Ø	ACQ		1
A0Ø235+164	2 38 38.9		WFC	IMAGE	W1	F492M			1200	1035	Ø	ACQ		1
A0Ø235+164	2 38 38.9		WFC	IMAGE	W1 _	F128LP		1	600	1035	Ø	ACQ		1
A0Ø235+164	2 38 38.9		FOS/BL	ACCUM	Ø.5	PRISM	3500	1	500	1035	1			1
A00235+164	2 38 38.9		FOS/BL	ACCUM	Ø.5	G16øL	1600		1000	1035	1			1
A0Ø235+164	2 38 38.9		FOS/RD	ACCUM	Ø.5	G19ØH	1900		8000 8000	1035	1			1
A0Ø235+164	2 38 38.9		FOS/RD	ACCUM	Ø.5	G27ØH	2700	_	3000	1035	1	1.00		1
A00235+164	2 38 38.9 2 38 38.9		FOS/BL FOS/RD	ACQ/BINA		MIRROR		1	9	1035	1	ACQ		1
A00235+164	2 38 38.9 2 38 38.9		FOS/RD	ACQ/BINA		MIRROR		1	5 5	1Ø35 1Ø35	1 2	ACQ ACQ		1
A00235+184	2 38 38.9		FOS/RD	ACQ/BINA ACQ/BINA		MIRROR MIRROR		1	5	1035	2	•	CON	2
A00235+164 A00235-FUZZ	2 38 38.9		FOS/RD	ACCUM	2.Ø-BAR	PRISM	4000		1000	1035	2	ACQ CON		i
A00235+164	2 38 38.9		FOS/RD	ACCUM	Ø.5	PRISM	5400		1440	1029	2	COIT		3
A00235+164	2 38 38.9		FOS/RD	ACQ/BINA		MIRROR	0400	ī	11	1029	2	ACQ		1
A0Ø235-COMP-2	2 38 39.0			ACCUM	Ø.5	PRISM	3500		2000	1035	2			ī
A0Ø235-COMP-2	2 38 39.0			ACCUM	Ø.5	G65ØL	6500		2000	1035	2			ī
INCA221-18	2 39 31.5		FGS	POS	2	F583W		ī	51	1532	2			4
POINTØ237-233INCA221	2 39 35.6	_	S/C	POINTING		,		ī	Ø	1532	2			2
-18			•					•						
FORNAX-CLUSTER4	2 40 7.4	-34 32 15	WFC	IMAGE	ALL	F555W		` 1	200	1110	2			1
FORNAX-CLUSTER4	2 40 7.4	-34 32 15	WFC	IMAGE	ALL	F555W		1 :	2000	1110	2			1
FORNAX-CLUSTER4	2 40 7.4	-34 32 15	WFC	IMAGE	ALL	F785LP		1	200	1110	2			1
FORNAX-CLUSTER4	2 40 7.4	-34 32 15	WFC	IMAGE	ALL	F785LP		1 :	1700	1110	2			1
PKSØ237-23	2 40 8.1	-23 9 16	WFC	IMAGE	ANŸ	F128LP		1 :	1200	1028	2			1
PKSØ237-23	2 40 8.1		FOS/RD	ACCUM	Ø.5	G27ØH	2700	1 4	4800	1028	2			1
PKSØ237-23		-23 9 16	FOS/RD	ACQ/BINA	4.3	MIRROR		1	17	1Ø28	2	ACQ		1
Ø237-233INCA221-18		-23 9 18	FGS	POS	2	F583W		1	51	1532	2			6
Ø237-233	2 40 8.2		F0C/288	IMAGE	512X512	F2ND F342W		1	300	1236	Ø			1
NGC1Ø52-OFFSET-STARS -FIELD	2 41 2.4	-8 15 59*	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø38	Ø	ACQ		1
NGC1Ø52	2 41 4.8		PC	IMAGE	ALL	F194W		1	900	1038	Ø	ACQ		1
NGC1Ø52	2 41 4.8	-8 15 21	PC	IMAGE	ALL	F375N		1	900	1Ø38	Ø	ACQ		1
NGC1Ø52	2 41 4.8	-8 15 21	PC	IMAGE	ALL	F5Ø2N		1	900	1038	Ø	ACQ		1
NGC1Ø52	2 41 4.8	-8 15 21	PC	IMAGE	ALL	F684N		3	300	1Ø38	Ø	ACQ		1
NGC1Ø52	2 41 4.8		PC	IMAGE	ALL	F23ØW		1	72Ø	1Ø38	Ø	ACQ		1
NGC1Ø52	2 41 4.8	-8 15 21	PC	IMAGE	ALL	F547M		1	18Ø	1Ø38	Ø	ACQ		1

_			st. Operating		Spectral	Central	No.	Exp.	_		Spec.		
Target	RA (2000)	Dec (2000) Co	nfig. Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Line	S
NGC1Ø52	2 41 4.8	-8 15 21 FO	S/BL ACCUM	Ø.3	G13ØH		1	6ØØ	1ø38	1			1
NGC1Ø52	2 41 4.8		S/BL ACCUM	Ø.3	G19ØH		1	300	1Ø38	1			1
NGC1Ø52	2 41 4.8	-8 15 21 FO	S/RD ACCUM	Ø.3	G27ØH		1	3ØØ	1Ø38	1			1
NGC1Ø52	2 41 4.8		S/RD ACCUM	Ø.3	G4ØØH		1	300	1Ø38	1			1
NGC1Ø52	2 41 4.8	-8 15 21 FO	S/RD ACCUM	Ø.3	G57ØH		1	300	1Ø38	1			1
NGC1Ø52-CLOUD1	2 41 4.8			Ø.3	G13ØH		1	600	1038	1			1
NGC1Ø52-CLOUD1	2 41 4.8		• • · · · · · · · · · · · · · · · · · ·	Ø.3	G19ØH		1	300	1038	1			1
NGC1Ø52-CLOUD1	2 41 4.8			Ø.3	G27ØH		1	300	1038	1			1
NGC1Ø52-CLOUD1	2 41 4.8			Ø.3	G4ØØH		1	300	1038	1			1
NGC1Ø52-CLOUD1	2 41 4.8			Ø.3	G57ØH		1	300	1038	1			1
NGC1Ø52-CLOUD2	2 41 4.8			Ø.3	G13ØH		1	6ØØ	1038	1			1
NGC1Ø52-CLOUD2	2 41 4.8			Ø.3	G19ØH		1	300	1038	1			1
NGC1Ø52-CLOUD2	2 41 4.8		• • • • • • • • • • • • • • • • • • • •	Ø.3 Ø.3	G27ØH G4ØØH		1 1	3ØØ 3ØØ	1Ø38 1Ø38	1			1
NGC1Ø52-CLOUD2	2 41 4.8 2 41 4.8			Ø.3	G57ØH		1	3ØØ	1038	1 1			1
NGC1Ø52-CLOUD2	2 41 4.8			Ø.3	G27ØH		1	300	1038	2	SEL		1
NGC1Ø52-CLOUD3 NGC1Ø52-CLOUD3	2 41 4.8			Ø.3	G4ØØH		1	300	1038	2	SEL		1
NGC1052-CL00D3	2 41 4.8			Ø.3	G57ØH		1	300	1038	2	SEL		1
NGC1Ø52-CLOUD3	2 41 4.8			Ø.3	G57ØH		î	600	1038	2	SEL		i
NGC1052-CLOUD3	2 41 4.8			Ø.3	G13ØH		î	600	1038	2	CON S		i
NGC1Ø52-CLOUD3	2 41 4.8			Ø.3	G19ØH		ī	3ØØ	1038	2	CON		ī
NGC1Ø52-CLOUD4	2 41 4.8		*	Ø.3	G57ØH		1	600	1038	2	SEL		ī
NGC1Ø52-CLOUD5	2 41 4.8		. •	Ø.3	G57ØH		1	600	1038	2	SEL		1
NGC1052-OFFSET-STAR	2 41 4.8			A 4.3	MIRROR		1	5	1038	1	ACQ		1
NGC1Ø52-OFFSET-STAR	2 41 4.8	-8 15 21* FO	S/RD ACQ/BIN	A 4.3	MIRROR		1	5	1038	1	ACQ		1
NGC1Ø52-NUC	2 41 4.9	-8 15 21 PC	IMAGE	ALL	F7Ø2W		1	6	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F7Ø2W		1	60	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F555W		1	266	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F664N		1	120	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F664N			1200	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F785LP		1	19	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE	ALL	F555W		1	26	1118	2			1
NGC1Ø52-NUC	2 41 4.9		IMAGE C/96 IMAGE	ALL 512X512	F785LP F5Ø1N	E 01 0	1	189	1118	2			1
NGC1Ø52	2 41 5.0			512X512 512X512	F55ØM	5Ø1Ø 547Ø	1 1	400	1227	Ø			1
NGC1Ø52	2 41 5.0 2 41 5.0		C/96 IMAGE C/96 IMAGE	512X1Ø24	F5Ø2M	4950	1	400 500	1227 1217	Ø			1
NGC1Ø52 NGC1Ø52	2 41 5.0 2 41 5.0		C/48 SPEC	256X1024-SLIT		4300	i	6ØØ	1227	1 Ø			1
NGC1052 NGC1052	2 41 5.0		C/48 SPEC	256X1024-SLIT		4450		3700	1217	1			1
NGC1002 NGC1052	2 41 5.0		C/48 SPEC	256X1Ø24-SLIT		4450	ī	120	1227	ø			ī
NGC1002 NGC1052	2 41 5.0		C/96 IMAGE	512X1Ø24	F5Ø1N	5010		3249	1217	1			ī
NGC1068	2 42 40.7			2.0	G14ØL	1590		1320	1170	3			ī
NGC1Ø68	2 42 40.7			2.0	G2ØØM	186Ø	ī	240	1170	3			ī
NGC1Ø68	2 42 40.7			2.0	G27ØM	277Ø	1	120	1170	3			1
NGC1Ø68	2 42 40.7			2.0	G27ØM	286Ø	ī	120	1170	3			ī
NGC1Ø68	2 42 40.7			2.0	G14ØL	1315	1	96Ø	117Ø	3			1
NGC1Ø68	2 42 40.7		S ACCUM	2.0	G2ØØM	1755	1	240	1170	3			1
NGC1Ø68	2 42 40.7		S ACCUM	2.0	G27ØM	2435	1	120	117Ø	3			1
NGC1Ø68	2 42 40.7	-Ø Ø 48 HR		2.0	G27ØM	2335	1	120	1170	3			1
NGC1Ø68	2 42 40.7			2.0	G27ØM	2815	1	12Ø	117Ø	3			1
NGC1Ø68	2 42 40.7	-Ø Ø 48 HR∶		2.0	G2ØØM	1934	1	240	1170	3			1
NGC1Ø68	2 42 40.7			2.0	G2ØØM	1972	1	24Ø	1170	3			1
NGC1Ø68	2 42 40.7	-Ø Ø 48 HR	S ACCUM	2.0	G2ØØM	1898	1	240	117Ø	3			1

Fi	xed	Ta	rgets
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Target	RA (2000)	Inst Dec (2000) Conf		Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	Spec. Req.	Total Lines
NGC1Ø68	2 42 40.7	-Ø Ø 48 F0C	48 IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC	48 SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		512X512	F152M	1500	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		512X512	F5Ø1N	5010	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC∕	288 IMAGE	512X512	F278M	278Ø	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		512X512	F486N	487Ø	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		512X512	F5Ø2M	495Ø	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		256X256	F19ØM	1975	1	400	1219	1		3
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC,		512X512	F120M	1215	1	600	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		512X512	F5Ø1N	5010	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC/		512X512	F55ØM	547Ø	1	400	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		256X1Ø24-SLIT			1	600	1227	Ø		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOC		256X1Ø24-SLIT		445Ø	1	400	1227	Ø		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 FOC		512X512	F1ND F3Ø7M POLØ		1	1680	1219	1		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 FOC		512X512	F1ND F3Ø7M P0L6Ø	<b>a</b>	1	1680	1219	1		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 FOC		512X512	F1ND F3Ø7M P0L12		1	1680	1219	1		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 F0C/		512X512	F1ND F3Ø7M POLØ	3Ø8Ø 3Ø8Ø	1	1800 3600	1219 1219	2		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 FOC		512X512	F1ND F3Ø7M P0LØ F1ND F3Ø7M P0L6Ø	3080	1	1800	1219	2		1
NGC1Ø68-NUC	2 42 40.7	-Ø Ø 48 FOC		512X512 512X512	FIND F307M POL60	3Ø8Ø	1	3600	1219	2		1
NGC1Ø68-NUC NGC1Ø68-NUC	2 42 40.7	· · · · · · · · · · · · · · · · · ·		512X512 512X512	F1ND F307M P0L12		1	1800	1219	2		1
NGC1Ø68-NUC	2 42 40.7 2 42 40.7	-Ø Ø 48 FOC		512X512 512X512	F1ND F307M P0L12		i	3600	1219	2		1
NGC1068-CLOUD1	2 42 40.7	-Ø Ø 48 FOC		Ø.5	PRISM	0 3900	i	1440	1029	1		1
NGC1000-CL00D1	2 42 40.7	-Ø Ø 46* FOS		Ø.5	G16ØL	1725	i	1440	1029	i		i
NGC1068-CLOUD2	2 42 40.7	-Ø Ø 46* FOS		Ø.5	G16ØL	1725	i	1440	1029	i		i
NGC1068-CL0UD2	2 42 40.7	-Ø Ø 46* FOS		Ø.5	PRISM	3675	ī	1440	1029	i		i
NGC1068-NUCLEUS	2 42 40.7	-Ø Ø 46 FOS		Ø.5	G16ØL	1725	ī	1440	1029	î		2
NGC1Ø68-NUCLEUS	2 42 40.7	-Ø Ø 46 FOS		Ø.5	PRISM	3675	ī	1440	1029	ī		ī
NGC1Ø68-OFFSET	2 42 40.7	-Ø Ø 48* FOS			MIRROR		ī	11	1029	ī	ACQ	ī
NGC1Ø68	2 42 40.7	-Ø Ø 48 PC	IMAGE	ALL	F194W		1	900	1036	ø	ACQ	ī
NGC1Ø68	2 42 40.7	-Ø Ø 48 PC	IMAGE	ALL	F375N		1	900	1036	Ø	ACQ	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 PC	IMAGE	ALL	F5Ø2N		1	900	1036	Ø	ACQ	ī
NGC1Ø68	2 42 40.7	-Ø Ø 48 PC	IMAGE	ALL	F23ØW		1	720	1036	Ø	ACQ	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 PC	IMAGE	ALL	F547M		1	18Ø	1Ø36	Ø	ACQ	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS	BL ACCUM	Ø.3	G13ØH		1	600	1036	1	-	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS	BL ACCUM	Ø.3	G19ØH		1	300	1036	1		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS	RD ACCUM	Ø.3	G27ØH		1	300	1Ø36	1		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS,	RD ACCUM	Ø.3	G4ØØH		1	300	1Ø36	1		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS,	RD ACCUM	Ø.3	G57ØH		1	300	1Ø36	1		1
NGC1Ø68	2 42 40.7	-Ø Ø 48 F0S,			MIRROR		1	1	1036	1	ACQ	1
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS,	BL ACQ/BIN	A 4.3	MIRROR		1	1	1036	2	ACQ :	
NGC1Ø68	2 42 40.7	-Ø Ø 48 FOS,			MIRROR		1	1	1036	2	ACQ :	
NGC1Ø68-CLOUD1	2 42 40.7	-Ø Ø 48∗ FOS,		Ø.3	G13ØH		1	600	1036	1		1
NGC1Ø68-CLOUD1	2 42 40.7	-Ø Ø 48∗ FOS,		Ø.3	G19ØH		1	300	1036	1		1
NGC1Ø68-CLOUD1	2 42 40.7	-Ø Ø 48∗ FOS,		Ø.3	G27ØH		1	300	1Ø36	1		1
NGC1Ø68-CLOUD1	2 42 40.7	-Ø Ø 48∗ FOS,		Ø.3	G4ØØH		1	300	1036	1		1
NGC1Ø68-CL0UD1	2 42 40.7	-Ø Ø 48∗ F0S,	-	Ø.3	G57ØH		1	300	1036	1		1
NGC1Ø68-CL0UD2	2 42 40.7	-Ø Ø 48∗ FOS,		Ø.3	G13ØH		1	600	1ø36	1		1
NGC1Ø68-CLOUD2	2 42 40.7	-Ø Ø 48≠ FOS,		Ø.3	G19ØH		1	300	1ø36	1		1
NGC1Ø68-CLOUD2	2 42 40.7	-Ø Ø 48≠ FOS,		Ø.3	G27ØH		1	300	1036	1		1
NGC1Ø68-CLOUD2	2 42 40.7	-Ø Ø 48* FOS,		Ø.3	G4ØØH		1	300	1036	1		1
NGC1Ø68-CLOUD2	2 42 40.7	-Ø Ø 48∗ FOS,	RD ACCUM	Ø.3	G57ØH		1	300	1Ø36	1		1

Target	RA (2000)	Inst. Dec(2000) Config.	Operating Mode	Aperture	Spectral Element	Centra! Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
NGC1Ø68-CLOUD3	2 42 40.7	' -Ø Ø 48∗ FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1ø36	2	SEL	1
NGC1Ø68-CLOUD3	2 42 40.7	' -Ø Ø 48∗ FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL	1
NGC1Ø68-CLOUD3	2 42 40.7	-Ø Ø 48∗ FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL	1
NGC1Ø68-CLOUD3	2 42 40.7	′ -Ø Ø 48∗ FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC1Ø68-CLOUD3	2 42 40.7	′ -Ø Ø 48∗ FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2	CON S	SEL 1
NGC1Ø68-CLOUD3	2 42 40.7	′ -Ø Ø 48∗ FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1036	2	CON S	SEL 1
NGC1Ø68-CLOUD4	2 42 40.7		ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC1Ø68-CLOUD5	2 42 40.7		ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC1Ø68	2 42 40.8	· · ·		POLØ	F216M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	POLØ	F237M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	POLØ	F277M		1	6Ø	1099	3		10
NGC1Ø68	2 42 40.8		SINGLE	POLØ	F327M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8		SINGLE	POL45	F216M		1	60	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	POL45	F237M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	: -Ø Ø 48 HSP/POL	SINGLE	POL45	F277M		1	60	1099	3		10
NGC1Ø68	2 42 40.8			POL45	F327M		1	60	1099	3		1
NGC1Ø68	2 42 40.8			POL9Ø	F216M		1	60	1099	3		1
NGC1Ø68	2 42 40.8		SINGLE	POL9Ø	F237M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	POL9Ø	F277M		1	60	1099	3		1ø
NGC1Ø68	2 42 40.8			POL9Ø	F327M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	P0L135	F216M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	P0L135	F237M		1	6Ø	1099	3		1
NGC1Ø68	2 42 40.8	-Ø Ø 48 HSP/POL	SINGLE	POL135	F277M		1	6Ø	1099	3		10
NGC1Ø68	2 42 40.8	-0 0 48 HSP/POL	SINGLE	P0L135	F327M		1	6Ø	1099	3		1
NGC1Ø68-NUC	2 42 40.8	-Ø Ø 47 PC	IMAGE	ALL	F547M		1	3	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F547M		1	3Ø	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F547M		1	300	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F664N		1	4	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F664N		1	40	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F664N		1	400	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F7Ø2W		1	Ø	1118	Ø		1
NGC1Ø88-NUC	2 42 40.8		IMAGE	ALL	F7Ø2W		1	2	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F7Ø2W		1	20	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE	ALL	F875M		1	1	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8		IMAGE IMAGE	ALL	F875M		1	15	1118	Ø		1
NGC1Ø68-NUC	2 42 40.8			ALL	F875M		1	150	1118	Ø		1
NGC1Ø68-P4	2 42 40.9		SPEC	256X1Ø24-SLIT				1450	1218	2		1
NGC1Ø68-P4	2 42 40.9		SPEC IMAGE	256X1Ø24-SLIT 512X512		EFAA		1500	1218	2		1
NGC1068-P3	2 42 41.4 2 42 41.4		IMAGE	512X512 512X512	F550M F501N	5500 5010	1 1	1400 800	1218 1218	2		1 1
NGC1Ø68-P3	2 42 41.4		IMAGE	512X512 512X512	F5Ø1N	5010 5010	1	85Ø	1218	2		1
NGC1Ø68-P3 NGC1Ø68-FIELD	2 42 41.4		IMAGE	ALL	F439W	4353	i	15	1029	1	ACQ	1
• • • • • • •	2 42 44.3	1. 1	IMAGE	P7	F547M	4355	i	20	1118		AC4	i
NGC1068-0240-0013 HD16970-CALIB	2 42 44.5			512X512	F19ØM F8ND	1975	1	300	1219	-	CAL	1
HD17Ø81	2 44 7.3		ACCUM	Ø.25	ECH-A	1649	1	519	1182		CAL	i
HD17Ø81	2 44 7.3		ACCUM	Ø.25	ECH-B	1942	i	13Ø	1182			i
TAU1-ERI	2 45 4.9		IMAGE	ALL	F555W	2445	i	40	1122	3		2
TAU1-ERI		-18 34 22 WFC	IMAGE	ALL	F555W		_	2000	1122			2
HD172Ø6	2 45 6.1			512X1Ø24-FØ.4			i	300	1275			ī
HD172Ø6	2 45 6.1			512X1024-FØ.4			ī	100	1275			i
HD17206		-18 34 21 FOC/288		512X1024-FØ.4	· · · · · · · · · · · · · · · · · · ·		i	300	1275	_		ī
HD172Ø6		-18 34 21 FOC/288	2 2 2		F342W POL12Ø		î	300	1275	-		ī
							_			-		-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID.	Cy.	Spec. Req.	Tota Line	
NGC1Ø97	2 46 19.	3 -3Ø 16 33	F0C/96	IMAGE	512X512	F5Ø1N	5010	1	600	1227	2			1
NGC1Ø97	2 46 19.		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	600	1227	2			1
NGC1Ø97-NUC		3 -30 16 33	PC	IMAGE	ALL	F555W		1	8Ø	1118	3			1
NGC1Ø97-NUC		3 -30 16 33	PC	IMAGE	ALL	F555W		1	8ØØ	1118	3			1
NGC1Ø97-NUC		3 -30 16 33	PC	IMAGE	ALL	F785LP		1	7Ø	1118	3			1
NGC1Ø97-NUC	2 46 19.		PC	IMAGE	ALL	F785LP		1	7ØØ	1118	3			1
MK6ØØ	2 51 4.	8 4 27 14	PC	IMAGE	ALL	F85ØLP		1	2500	1246	3			1
MK600	2 51 4.	8 4 27 14	F0C/96	IMAGE	512X512	F342W		1	1000	1246	3			1
MK6ØØ	2 51 4.	8 4 27 14	F0C/96	IMAGE	512X512	F165W		1	2200	1246	3			1
S4-Ø248+43	2 51 34.	8 43 15 16	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1025	2	ACQ		1
\$4-0248+43	2 51 34.	8 43 15 16	FOS/RD	ACCUM	1.0	G27ØH	2753	1	600	1Ø25	2	•		1
Ø249-222	2 51 40.	4 -22 Ø 27	F0C/96	IMAGE	512X512	PRISM1	3575	1	9ØØ	1235	Ø			1
NGC1129	2 54 32.	2 41 35 10	F0C/96	IMAGE	512X512	F12ØM		1	900	1251	2			1
NGC1129	2 54 32.	2 41 35 10	F0C/98	IMAGE	512X512	F372M		1	900	1251	2			1
3C75-FIELD	2 57 41.	8 6 1 29	WFC	IMAGE	ALL	F439W	4353	1	15	1Ø33	2	ACQ	CON	1
3C75	2 57 41.		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON		1
3C75	2 57 41.		F0C/96	IMAGE	512X512	F37ØLP	4040	1	3ØØ	1033	Ø			1
3C75	2 57 41.		F0C/96	IMAGE	512X512	F32ØW	3251	1	3ØØ	1033	Ø			1
3C75-OFFSET	2 57 41.		FOS/RD	ACQ/BINA		MIRROR		1	11	1033	2	ACQ	CON	1
POINT-CP7.1	3 Ø 43.		S/C	POINTING				1	Ø	1014	1			1
POINT-CP7.2	3 1 34.		S/C	POINTING		<b>5</b> 5.5W <b>5</b> 5.5		1	Ø	1014	2	CON		1
HD18978		4 -23 37 28	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD18978	3 2 23.		F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2			1
HD18978		4 -23 37 28	F0C/288	occ	512X1Ø24-FØ.4			1	300	1275	2			1
HD18978	3 2 23.		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G16ØM	1400	2	600	119ø	1			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G16ØM	1335	2	600	1190	1			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G16ØM	1538	2	600	1190	1			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G14ØL	128Ø	1	60	1174	1			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G14ØL	128Ø	1	22Ø	1174	3			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G14ØL	1555	1	60	1174	1			1
RX-CAS	3 7 45.		HRS	ACCUM	Ø.25	G14ØL	1555	1	220	1174	3			1
HD19445	3 8 25.		HRS	ACCUM	Ø.25	G27ØM	2497	2	1500	1064	Ø			1
3C78	3 8 26.		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON		1
3C78	3 8 26.		F0C/98	IMAGE	512X512	F37ØLP	4040	1	300	1033	Ø			1
3C78	3 8 26.		F0C/96	IMAGE	512X512	F32ØW	3251	1	300	1033	Ø	400	COM	1
3C78-OFFSET	3 8 26.		FOS/RD	ACQ/BINA		MIRROR F32ØW		1	11	1033	2	ACQ	CUN	1
3C78	3 8 26.		F0C/98	IMAGE	512X512			1	300	1228	2	2011		1
3C78	3 8 26.	The state of the s	F0C/48	IMAGE	512X512 256X1Ø24-SLIT	F18ØLP		1	600	1228	2	CON		1
3C78	3 8 26.		FOC/48	SPEC IMAGE	ALL	F439W	4252	1	1200	1228	2	CON	CON	1
3C78-FIELD	3 8 29.	3 4 6 58	WFC	IMAGE	ALL	F439#	4353	1	15	1033	2	ACQ	CUN	1
HD19373	3 9 1.		F0C/98	OCC	512X512-FØ.4	F37ØLP		1	1500	1274	2			1
<b>3C79</b>	3 10 0.	5 17 8 Ø	WFC	IMAGE	ALL	F555W		1	14Ø	1116	3			1
3C79	3 10 Ø.	5 17 8 Ø	WFC	IMAGE	ALL	F725LP		1	2ØØ	1116	3			1
3C79	3 10 Ø.		WFC	IMAGE	ALL	F725LP		1	1600	1116	3			1
Ø3Ø8-193	3 10 28.	5 -19 9 27	FOS/RD	ACCUM	Ø.5	PRISM	3500	.1	5Ø	1027	2			2
Ø3Ø8-193	3 10 28.	5 -19 9 27	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	1800	1027	2			1
Ø3Ø8-193	3 10 28.		FOS/BL	ACCUM	Ø.5	G16ØL	1650	1	5Ø	1027	2			2
Ø3Ø8-193	3 10 28.	5 -19 9 27	FOS/BL	ACCUM	Ø.5	G16ØL	165Ø	1	1000	1027	2			1
Ø3Ø8-193	3 10 28.	5 -19 9 27	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	4000	1027	2	CON		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centra! Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
Ø3Ø8-193	3 10 28.5	-19 9 27	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	3000	1027	2	CON		1
Ø3Ø8-193	3 10 28.5	-19 9 27	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	1000	1027	2	CON		1
Ø3Ø8-193	3 10 28.5	-19 9 27	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	1027	2	ACQ		1
Ø3Ø8-193	3 10 28.5		FOS/RD	ACQ/BINA		MIRROR		1	11	1027	2	ACQ		1
Ø3Ø8-193	3 10 28.5	-19 9 27	FOS/BL	ACQ/BINA		MIRROR		1	11	1027	2	ACQ (	CON	1
Ø3Ø8-193	3 10 28.5		FOS/RD	ACQ/BINA		MIRROR		1	11	1Ø27	2	ACQ (	CON	1
Ø312-77ØINCA221-22	3 11 55.1		FGS	POS	2	F583W		1	51	1532	1	•		3
Ø312-77ØINCA221-22	3 11 55.1	-76 51 52	FGS	POS	2	F583W		1	51	1532	2			3
INCA221-22	3 13 3.9	-77 1 44	FGS	POS	2	F583W		1	51	1532	1			2
INCA221-22	3 13 3.9	-77 1 44	FGS	POS	2	F583W		1	51	1532	2			2
EF-ERI	3 14 12.7	-22 35 40	HRS	ACCUM	2.0	G14ØL	152 <b>ø</b>	1	3ØØ	1155	Ø			8
EF-ERI	3 14 13.Ø	-22 35 41	F0S/BL	ACCUM	Ø.5	G16ØL		1	96Ø	1051	Ø			4
EF-ERI	3 14 13.0	-22 35 41	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1051	Ø	ACQ		1
POINTØ312-77ØINCA221 -22	3 15 26.8	-76 52 17	s/c	POINTING	V1			1	Ø	1532	1			1
POINTØ312-77ØINCA221 -22	3 15 26.8	-76 52 17	S/C	POINTING	V1			1	Ø	1532	2			1
HD2Ø135	3 16 1.9	48 1 41	HRS	ACCUM	2.0	G14ØL	1430	4	25Ø	1210	Ø			1
3C83.1	3 18 15.8	41 51 28	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	5ØØ	1033	2	CON		1
3C83.1	3 18 15.8	41 51 28	F0C/96	IMAGE	512X512	F37ØLP	4040	1	3ØØ	1033	Ø			1
3C83.1	3 18 15.8	41 51 28	F0C/98	IMAGE	512X512	F32ØW	3251	1	300	1033	Ø			1
3C83.1-FIELD	3 18 15.8	41 51 28	WFC	IMAGE	ALL	F439W	4353	, <b>1</b>	15	1033	2	ACQ (	CON	1
3C83.1-OFFSET	3 18 15.8	41 51 28*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø33	2	ACQ (	CON	1
NGC1265	3 18 15.8	41 51 28	F0C/98	IMAGE	512X512	F32ØW		1	300	1228	2			1
NGC1265	3 18 15.8	41 51 28	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
NGC1285	3 18 15.8	41 51 28	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON		1
OFFNGC1285	3 18 15.8	41 51 28*		IMAGE	ALL	F664N		1	6ØØ	1228	1	PAR		1
POINTØ316+413INCA221 -23	3 18 36.9	41 28 5	s/c	POINTING				1	Ø	1532	1			1
POINTØ316+413INCA221 -23	3 18 36.9	41 28 5	s/c	POINTING				1	Ø	1532	2			1
INCA221-23	3 19 10.1	41 16 17	FGS	POS	2	F55ØW		1	51	1532	1			2
INCA221-23	3 19 10.1	41 16 17	FGS	POS	2	F55ØW		1	51	1532	2			2
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F555W		1	3Ø	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F664N		1	3Ø	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F555W		1	23Ø	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F555W		1	1400	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F555W		1	2300	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F664N		1		1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL	F664N		1	1200 2100	11Ø5 11Ø5	2			1
NGC1275	3 19 48.1	41 30 39	WFC WFC	IMAGE	ALL	F664N F785LP		1	30	1105	2			1
NGC1275	3 19 48.1	41 30 39	WFC	IMAGE	ALL				230	1105	2			1
NGC1275 NGC1275	3 19 48.1 3 19 48.1	41 30 39 41 30 39	WFC	IMAGE IMAGE	ALL ALL	F785LP F785LP		1 1	1400	1105	2			1
NGC1275 NGC1275		41 30 39	WFC	IMAGE	ALL	F785LP		1	2300	1105	2			1
NGC1275 NGC1275	3 19 48.1 3 19 48.1	41 30 39	FOC/48	IMAGE	512X512	F18ØLP		i	600	1228	2	CON		1
NGC1275 NGC1275	3 19 48.1	41 30 42	F0C/48	SPEC	256X1Ø24-SLIT			i	1200	1228	2	CON		1
NGC1275 NGC1275	3 19 48.2	41 30 42	F0C/98	IMAGE	512X512	F12ØM	1215	i	400	1227	ø	2011		i
NGC1275	3 19 48.2	41 30 42	F0C/96	IMAGE	512X512 512X512	F19ØM	1975	î	400	1227	ø			i
NGC1275	3 19 48.2	41 30 42	F0C/96	IMAGE	512X512	F5Ø1N	5 <b>Ø</b> 1Ø	i	400	1227	ø			ī
NGC1275	3 19 48.2	41 30 42	F0C/96	IMAGE	512X512	F5Ø2M	5020	ī	400	1227	ø			ī
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F	i	xed	Ta	rge	ts

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			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tot	al
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lin	es
NGC1275	3 19 48.2	41 30 42	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	ø			1
	3 19 48.2		F0C/48	SPEC	256X1Ø24-SLIT		041W	1	600	1227	1			1
NGC1275			F0C/48	SPEC	256X1024-SLIT		4450	1	600	1227	i			i
NGC1275					POLØ		4400		6Ø	1099	2			
NGC1275		-	HSP/POL	SINGLE		F216M		1	6Ø					4
NGC1275	3 19 48.2		HSP/POL	SINGLE	POLØ	F277M		1		1099	2			2
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL45	F216M		1	6Ø	1099	2			4
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL45	F277M		1	6Ø	1099	2			2
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL9Ø	F216M		1	60	1099	2			4
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL9Ø	F277M		1	60	1099	2			2
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL135	F216M		1	60	1099	2			4
NGC1275	3 19 48.2		HSP/POL	SINGLE	POL135	F277M		1	6Ø	1099	2			2
Ø316+413	3 19 48.2		PC	IMAGE	P8	F6Ø6W		1	Ø	1139	2			1
Ø316+413	3 19 48.2		PC	IMAGE	P8	F725LP		1	Ø	1139	2			1
Ø316+413INCA221-23	3 19 48.2		FGS	POS	2	F55ØW		1	51	1532	1			3
Ø316+413INCA221-23	3 19 48.2		FGS	POS	2	F55ØW		1	51	1532	2			3
NGC1275	3 19 48.2		PC :	IMAGE	ALL	F194W		1	900	1036	Ø	ACQ		1
NGC1275	3 19 48.2		PC	IMAGE	ALL	F23ØW		1	900	1Ø36	Ø	ACQ		1
NGC1275	3 19 48.2		PC	IMAGE	ALL	F664N		3	300	1036	Ø	ACQ		1
NGC1275	3 19 48.2		PC	IMAGE	ALL	F547M		1	18Ø	1036	Ø	ACQ		1
NGC1275	3 19 48.2		FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2			1
NGC1275	3 19 48.2		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1Ø36	2			1
NGC1275	3 19 48.2	41 30 42	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø36	2			1
NGC1275	3 19 48.2	41 30 42	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2			1
NGC1275	3 19 48.2		FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2			1
NGC1275	3 19 48.2		FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1036	2	ACQ		1
NGC1275	3 19 48.2	41 30 42	FOS/BL	ACQ/BINA		MIRROR		1	1	1036	2	ACQ S	SEL	1
NGC1275	3 19 48.2	41 30 42	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1036	2	ACQ S	SEL	1
NGC1275-CLOUD1	3 19 48.2	41 30 42*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2			1
NGC1275-CLOUD1	3 19 48.2	41 30 42*	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2			1
NGC1275-CLOUD1	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø36	2			1
NGC1275-CLOUD1	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2			1
NGC1275-CLOUD1	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2			1
NGC1275-CLOUD2	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1Ø36	2			. 1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1036	2	SEL		1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2	CON S	SEL	1
NGC1275-CLOUD3	3 19 48.2	41 30 42*	F0S/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	CON	SEL	1
NGC1275-CLOUD4	3 19 48.2			ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC1275-CLOUD5	3 19 48.2			ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC1275	3 19 48.2		FOS/BL	ACCUM	Ø.5	G16ØL	1725		1440	1029	2			2
NGC1275	3 19 48.2		FOS/BL	ACCUM	Ø.5	PRISM	3675		1440	1029	2			1
NGC1275-FIELD	3 19 48.2		WFC	IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ		1
NGC1275-OFFSET	3 19 48.2			ACQ/BINA		MIRROR		ī	11	1029	2	ACQ		ī
NGC1275	3 19 49.7		F0C/96	IMAGE	512X512	F12ØM		î	900	1251	1			ī
NGC1275	3 19 49.7		F0C/96	IMAGE	512X512	F32ØW		ī	900	1251	ī			ī
NGC1275	3 19 49.7		F0C/96	IMAGE	512X512	F372M		i	900	1251	i			î
NGC1275	3 19 49.7		F0C/96	IMAGE	512X512	F5Ø2M		1	900 900	1251	1			ī
NGC1275-OFFSET	3 19 51.1		• .	IMAGE	512X512	F120M		1	9ØØ	1251	1			ī
NGC1275-OFFSET	3 19 51.1			IMAGE	512X512 512X512	F372M		1	9ØØ	1251	1			ī
			· · · · ·	DCC				_	900 900		2			i
HD2Ø794	3 20 5.7	-43 3 34	F0C/288		512X512-FØ.4	F37ØLP		1	300	1274	Z			-

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines
HD20794	3 20 5.7	7 -43 3 34	F0C/288	осс	512X512-FØ.4	F37ØLP		2	9øø	1274	2		1
HD2Ø794	3 20 5.7		F0C/288	DCC	512X512-FØ.4	F220W F278M F8ND		1	300	1274	2		ī
HD2Ø794		7 -43 3 34	F0C/288	occ	512X512-FØ.4	F22ØW F278M F8ND		1	240	1274	2	ACQ	ī
Ø318-198	3 20 21.1	-19 26 32	FOS/BL	ACCUM	1.0	G27ØH		1	1000	1043	1		ĩ
Ø318-196		-19 26 32	FOS/BL	ACCUM	1.0	G13ØH		2	2000	1043	1		ī
Ø318-198		-19 26 32	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1043	1	ACQ	1
HE481	3 21 30.2	2 48 29 38	HRS	ACCUM	2.0	G14ØL	1430	4	250	1210	2	•	1
HE5Ø1	3 21 58.6	49 12 55	HRS	ACCUM	2.0	G14ØL	143Ø	4	25Ø	1210	2		1
NGC1318-NUC	3 22 41.7	7 -37 12 30	PC	IMAGE	ALL	F555W		1	1000	1118	Ø		1
NGC1316-NUC	3 22 41.7	7 -37 12 30	PC	IMAGE	ALL	F555W		1	56	1118	Ø		1
NGC1318-NUC	3 22 41.7	7 -37 12 30	PC	IMAGE	ALL	F785LP		1	4	1118	Ø		1
NGC1318-NUC		7 -37 12 30	PC	IMAGE	ALL	F785LP		1	40	1118	Ø		1
NGC1318-NUC		7 -37 12 30	PC	IMAGE	ALL	F555W		1	5	1118	Ø		1
NGC1318		7 -37 12 29	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
NGC1318		-37 12 29	F0C/96	IMAGE	512X512	F37ØLP		1	3ØØ	1228	2		1
NGC1318		7 -37 12 29	F0C/48	IMAGE	512X512	F18ØLP		1	800	1228	2	CON	1
NGC1318		-37 12 29	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
OFFNGC1318		7 -37 12 29+		IMAGE	ALL	F664N		1	600	1228	1	PAR	1
Ø321-374		-37 15 57	FOS/BL	ACCUM	1.Ø-PAIR	G27ØH	4.40	1	4000	1267	2		1
HE632	3 24 55.1		HRS	ACCUM	2.0	G14ØL	1430	4	25Ø	1210	2		1
HØ323+Ø22	3 26 13.9		HSP/UV2	SINGLE	1.0	F14ØLP		1	2100	1099	1	4.00	1
HØ323+Ø22	3 26 13.9		HSP/UV2	PEAKUP	10.0	F140LP F277M		1	6Ø	1099	1	ACQ	27
HØ323+Ø22	3 26 13.9		HSP/POL HSP/POL	STAR-SKY STAR-SKY		F277M		1	66 66	1099 1099	1		54
HØ323+Ø22	3 26 13.9			STAR-SKY		F277M		1	66	1099	1		54 54
HØ323+Ø22 HØ323+Ø22	3 26 13.9		HSP/POL HSP/UV2	STAR-SKY		F14ØLP		1	60	1099	1		27
HØ323+Ø22	3 26 13.9 3 26 13.9		HSP/POL	STAR-SKY		F277M		i	66	1099	1		54
HØ323+Ø22	3 26 13.9		FOS/BL	ACQ/BINA		MIRROR		i	11	1029	1	ACQ	1
HØ323+Ø22	3 26 13.9		FOS/RD	ACQ/BINA		MIRROR		ī	11	1029	i	ACQ	i
HØ323+Ø22	3 26 13.9		FOS/BL	ACCUM	Ø.5	G16ØL	1725	ī	1440	1029	î	neq	3
HØ323+Ø22	3 26 13.9		FOS/BL	ACCUM	Ø.5	PRISM	3675	ī	1440	1029	ī		2
HØ323+Ø22	3 26 13.9		FOS/BL	ACCUM	Ø.5	G13ØH	1379	ī	1500	1029	ī		ī
HØ323+Ø22	3 26 13.9		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	1	1029	ī	ACQ	ī
HØ323+Ø22	3 26 13.9		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	1500	1029	1	,	1
Ø324-4Ø8	3 26 17.4	-40 38 50	F0C/98	IMAGE	512X512	PRISM1	3575	1	9ØØ	1235	Ø		1
HD21242	3 28 35.4	28 42 54	HRS	ACCUM	SC2	G16ØM	136Ø	1	10	1159	2	CAL	1
HD21242	3 26 35.4	28 42 54	HRS	RAPID	2.0	G16ØM	136Ø	1	1643	1159	2		1
GL49Ø	3 27 38.5	58 46 58	PC	IMAGE	ALL	F7Ø2W		1	8Ø	1138	2		1
GL49Ø	3 27 38.5	58 46 58	PC	IMAGE	ALL	F7Ø2W		2	400	1138	2		1
GL49Ø	3 27 38.5	58 46 58	PC	IMAGE	ALL	F6Ø6W		1	18Ø	1138	2		1
GL49Ø	3 27 38.5	58 46 58	PC	IMAGE	ALL	F85ØLP		1	23	1138	2		1
GL49Ø	3 27 38.5	58 46 58	PC	IMAGE	ALL	F85ØLP		4	140	1138	2		1
HH7-11IR	3 29 5.6	31 15 47	WFC	IMAGE	ALL	F656N		2	1000	1138	1		1
HH7-11IR	3 29 5.6	31 15 47	WFC	IMAGE	ALL	F673N		2	1000	1138	1		1
Ø329-378	3 30 55.9		FOS/BL	ACCUM	1.0-PAIR	G27ØH		1	2200	1267	2		1
GK-PER	3 31 11.6		HSP/UV1	PRISM	1.0	F248M/F135W			21600	1090	1		1
Ø33Ø-367	3 32 8.0		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	2200	1267	2		1
HD22Ø49	3 32 52.5		HRS	ACCUM	2.0	G16ØM	1550	1	700	1176	2		1
HD22Ø49	3 32 52.5		HRS	ACCUM	2.0	G2ØØM	1900	1	1300	1176	2		1
HD22Ø49	3 32 52.5		HRS	ACCUM	2.0	G14ØL	1304	1	700	1176	2		1
HD22Ø49	3 32 52.5		HRS	ACCUM	2.0	G14ØL	1574	1	700	1176	2		1
HD22Ø49	3 32 55.7	9 27 30	PC	IMAGE	ALL	F822W		4	40	1062	1		4

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Req	
HD22Ø49	3 32 55.7	-9 27 30	PC	IMAGE	ALL	F875M		4	16Ø	1Ø62	1	4
HD22Ø49	3 32 55.7		PC	IMAGE	ALL	F122M F875M		1	Ø	1062	1	2
HD22Ø49	3 32 55.7	-9 27 30	PC	IMAGE	ALL	F122M F875M		1	Ø	1Ø62	1 ACQ	1
HD22Ø49	3 32 55.9	-9 27 30	F0C/288	OCC	512X512-FØ.4	F37ØLP		1	600	1274	2	2
HD22Ø49	3 32 55.9		F0C/288	BCC	512X512-FØ.4	F37ØLP		1	900	1274	2	2
HD22Ø49	3 32 55.9	-9 27 30	F0C/288	OCC.	512X512-FØ.4	F37ØLP		2	1200	1274	2	2
HD22Ø49	3 32 55.9		F0C/288	OCC	512X512-FØ.4	F22ØW F278M F8ND		1	300	1274	2	3
HD22Ø49	3 32 55.9		F0C/288	OCC	512X512-FØ.4	F22ØW F278M F8ND		1	24Ø	1274	2 ACQ	1
HD22Ø49	3 32 55.9		HRS	ACCUM	SC2	G16ØM	136Ø	1	10	1159	1 CAL	1
HD22Ø49	3 32 55.9		HRS	ACCUM	Ø.25	ECH-B2Ø	2800	1	28Ø	1175	3	1
HD22Ø49	3 32 55.9		HRS	ACCUM	Ø.25	ECH-B22	2600	1	56Ø	1175	3	1
HD22Ø49	3 32 55.9		HRS	ACCUM	Ø.25	ECH-A46	1213	1	2400	1175	3	1
HD22Ø49	3 32 55.9		HRS	RAPID	2.0	G16ØM	136Ø	1	1643	1159	1	1
NGC1365-SKY	3 33 1.8		F0C/98	IMAGE	512X512	F5Ø2M	495Ø	1	6Ø	122Ø 122Ø	2 2	1
NGC1365-SKY	3 33 1.8 3 33 7.6		F0C/48	SPEC	256X1024-SLIT		4400	1 1	6Ø 12Ø	1100	1	1
NGC136Ø-C1 NGC136Ø-C1	3 33 7.6 3 33 7.6		HSP/UV2	SINGLE	1.0	F218M F278N		1	120	1100	1	39 39
	3 33 7.6		HSP/UV2 HSP/VIS	SINGLE	1.0	F551W		1	120	1100	i	39 39
NGC136Ø-C1 NGC136Ø-C1	3 33 7.6		HSP/UV2	SINGLE SINGLE	1.0 1.0	F218M		1	120	1100	2	8
NGC136Ø-C1 NGC136Ø-C1	3 33 7.6		HSP/UV2	SINGLE	1.0	F278N		ī	120	1100	2	6
NGC136Ø-C1	3 33 7.6	_	HSP/VIS	SINGLE	1.0	F551W		ī	120	1100	2	8
NGC136Ø		-25 51 34	WFC	IMAGE	ALL	F469N		ī	2100	1107	2	ĭ
NGC136Ø		-25 51 34	WFC	IMAGE	ALL	F656N		ī	2100	1107	2	i
NGC136Ø		-25 51 34	WFC	IMAGE	ALL	F658N		ī	2100	1107	2	ī
NGC136Ø	and the second s	-25 52 19	HSP/UV2	SINGLE	1.0	F218M		1	120	1100	1	78
NGC136Ø	3 33 14.6	-25 52 19	HSP/UV2	SINGLE	1.0	F278N		1	120	1100	1	78
NGC136Ø	3 33 14.6	-25 52 19	HSP/VIS	SINGLE	1.0	F551W		1	120	1100	1	78
NGC136Ø	3 33 14.6	-25 52 19	HSP/UV2	SINGLE	1.0	F218M		1	120	1100	2	12
NGC136Ø	3 33 14.6	-25 52 19	HSP/UV2	SINGLE	1.0	F278N		1	120	1100		12
NGC136Ø		-25 52 19	HSP/VIS	SINGLE	1.0	F551W		1	120	1100	2	12
PAL1	3 33 23.0		PC	IMAGE	ALL	F555W	5479	1	1000	1007	Ø	3
PAL1	3 33 23.0		PC	IMAGE	ALL	F791W	8537	1	1000	1007	Ø	2
PAL1	3 33 23.0		PC	IMAGE	ALL	F555W	5479	1	1000	1007	1	3
PAL1	3 33 23.0		PC	IMAGE	ALL	F791W	8537	1	1000	1007	1	2
PAL1	3 33 23.0		PC	IMAGE	ALL	F555W	5479	1	1000	2944	Ø	3
PAL1	3 33 23.0		PC	IMAGE	ALL	F791W	8537	1	1000	2944	Ø	2
PAL1 PAL1	3 33 23.0 3 33 23.0		PC PC	IMAGE	ALL	F555W F791W	5479 8537	1 1	1000 1000	2946 2946	1 1	3 2
NGC1365-SW	3 33 23.0 3 33 36.2		F0C/98	IMAGE IMAGE	ALL 512X512	F47ØM	4725	1	1800	1220	_	1
NGC1365-SW	3 33 36.2		F0C/96	IMAGE	512X512 512X512	F5Ø1N	5Ø1Ø	i	354Ø	1220		1
NGC1365-3#	3 33 36.4		F0C/48	SPEC	256X1024-SLIT		4400	î	156Ø	1220		1
NGC1365		-36 8 26	F0C/48	SPEC	256X1024-SLIT		4400	ī	2940	1220		i
NGC1365		-36 8 26	F0C/48	SPEC	256X1024-SLIT		4400	i	4500	1220		i
NGC136Ø-C2		-25 57 38	HSP/UV2	SINGLE	1.0	F218M	7722	î	120	1100		39
NGC136Ø-C2		-25 57 38	HSP/UV2	SINGLE	1.0	F278N		ī	120	1100	_	39
NGC136Ø-C2		-25 57 38	HSP/VIS	SINGLE	1.0	F551W		ī	120	1100	_	39
NGC136Ø-C2		-25 57 38	HSP/UV2	SINGLE	1.0	F218M		ī	120	1100	_	6
NGC136Ø-C2		-25 57 38	HSP/UV2	SINGLE	1.0	F278N		ī	120	1100	_	6
NGC136Ø-C2		-25 57 38	HSP/VIS	SINGLE	1.0	F551W		ī	120	1100		6
NGC138ØF1		-34 56 29	WFC	IMAGE	ALL	F555W		1	2400	1016		1
NGC138ØF1		-34 56 29	WFC	IMAGE	ALL	F785LP		1	2400	1016		1
NGC1399	3 36 27.6	-35 27 5	F0C/98	IMAGE	512X512	F32ØW		1	600	1Ø57	1	1

	DA (0000) - F	) (0@@@)	Inst.	Operating	Anantona	Spectral	Central		Exp.	<b>T</b> D 4	_	Spec.	Total
Target	RA (2000) [	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	IIMe	ID (	cy.	Req.	Lines
NGC1399	3 36 27.6 -	-35 27 5	F0C/98	IMAGE	512X512	F5Ø2M		1 :	3ØØ 1	.ø57	1		1
NGC1399	3 36 27.6 -		F0C/288	IMAGE	512X512	F32ØW		_		Ø57	3	CON	ĩ
NGC1399	3 36 27.6 -		F0C/48	SPEC	256X1Ø24-SLIT		4500	1 126		Ø57	3	CON	ī
NGC1399	3 36 27.6 -		F0C/48	IMAGE	128X128-ASLIT		3920	_		Ø57	3	ACQ (	
NGC138ØF2		-34 57 14	F0C/48	IMAGE	512X512	F342W				Ø16	2	PAR	1
NGC138ØF2		-34 57 14	F0C/48	IMAGE	512X512	F43ØW				Ø16	2	PAR	ī
HD22468	3 36 47.1	Ø 35 8	HRS	ACCUM	2.0	G2ØØM	1900	1 3	3ØØ 1	176	1		1
HD22468	3 36 47.1	Ø 35 8	HRS	ACCUM	2.0	G14ØL	13Ø4			178	1		1
HD22468	3 36 47.1	Ø 35 8	HRS	ACCUM	2.0	G14ØL	1574	1 2	23Ø 1	176	1		1
HD22468	3 36 47.3	Ø 35 16	HRS	ACCUM	Ø.25	ECH-B2Ø	2800	1 8	56Ø 1	175	1		2
HD22468	3 36 47.3	Ø 35 16	HRS	ACCUM	Ø.25	ECH-B22	2600	1 13	L2Ø 1	175	1		2
HD22468	3 36 47.3	Ø 35 16	HRS	ACCUM	Ø.25	ECH-A48	1213	1 36	900 1	175	1		2
HD22468	3 36 47.4	Ø 35 16	HRS	ACCUM	SC2	G16ØM	136Ø	1	10 1	159	2	CAL	1
HD22468	3 36 47.4	Ø 35 16	HRS	RAPID	2.0	G16ØM	1360	1 16	343 1	159	2		1
NGC1399F1	3 38 31.5 -	-35 28 33	F0C/48	IMAGE	512X512	F342W		1 24	100 1	Ø16	2	PAR	1
NGC1399F1	3 38 31.5 -		F0C/48	IMAGE	512X512	F43ØW		1 24		Ø16	2	PAR	1
NGC14Ø4F1	3 38 47.0 -		WFC	IMAGE	ALL	F555W				Ø16	2		1
NGC14Ø4F1	3 38 47.Ø -		WFC	IMAGE	ALL	F785LP				Ø16	2		1
HD23817	3 44 13.1 -		F0C/96	OCC	512X512-FØ.4	F37ØLP		_		274	2		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	SC1	G14ØM	1403			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	SC1	ECH-B19	2893			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A45	1255			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-B29	1916			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	SC1	ECH-B22	2578			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	SC1	ECH-B24	2346			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A45	1238			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-B25	2268			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-B26	2191	-		200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-B32	1770			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A42	1338	_	_	200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A44	1270			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A44	1288	-		200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A46	1219			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-A46	1224			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	G27ØM	2542			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS HRS	ACCUM ACCUM	Ø.25	G27ØM	2599			200	1		1
HD2318Ø	3 44 19.1	32 17 18			Ø.25	G14ØL	1228			200	1		1
HD2318Ø	_	32 17 18	HRS	ACCUM	Ø.25	G27ØM	2899			200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS HRS	ACCUM	SC1	ECH-B21	2719			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18		ACCUM	SC1	ECH-B24	2315			200	Ø		1
HD2318Ø	3 44 19.1	32 17 18	HRS	ACCUM	Ø.25	ECH-B25	2243			200	Ø		1
HD2318Ø		32 17 18	HRS	ACCUM	Ø.25	ECH-A41	1355	_		200	1		1
HD2318Ø	3 44 19.1	32 17 18	HRS HRS	ACCUM ACCUM	Ø.25	ECH-A43	1309			200	1		1
HD2318Ø		32 17 18 24 23 42	HRS	ACCUM	Ø.25	G14ØL	1358	_		200	1 Ø		1
HD23246			HRS	ACCUM	2.0	G14ØL	1430	_		210	Ø		1
HZ627			HRS		2.0	G14ØL	1430	_		210			
HZ727		24 37 39	HRS	ACCUM	2.0	G14ØL	1430			210	2		1
HD23479		24 11 24	HRS	ACCUM	2.0	G14ØL	1430			210	2		1
HD2348Ø	3 46 19.6	23 56 54	HRS	ACCUM	Ø.25	ECH-A	1248	1		1147	3		2 2
HD2348Ø	3 48 19.8	23 56 54		ACCUM	Ø.25	ECH-A	1304	1		1147	3		
HD2348Ø	3 46 19.6	23 56 56	HRS	ACCUM	Ø.25	ECH-A	1260	_		1168	3		1
HD2348Ø	3 46 19.6	23 56 56	HRS	ACCUM	Ø.25	ECH-A	1275	1	6 <b>00</b> :	l 168	3		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD2348Ø	3 48 19.6	3 23 56 56	HRS	ACCUM	Ø.25	ECH-A	1355	1	6ØØ	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-B	2325	î	600	1168	3		1 1
HD2348Ø	3 48 19.6		HRS	ACCUM	Ø.25	ECH-A	1476	i	600	1168	3		i
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1477	i	6ØØ	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1478	i	600	1168	3		1
HD2348Ø			HRS	ACCUM	Ø.25	ECH-A	1276	î	600	1168	3		_
						ECH-A	1277				_		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25			1	600	1168	3		1
HD2348Ø	3 48 19.6		HRS	ACCUM	Ø.25	ECH-A	1302	1	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1329	1	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1327	1.	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1328	1	6ØØ	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1354	1	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1356	1	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1391	1	600	1168	3		1
HD2348Ø	3 46 19.6		HRS	ACCUM	Ø.25	ECH-A	1392	1	600	1168	3		1
HD2348Ø	3 46 19.6	23 56 56	HRS	ACCUM	Ø.25	ECH-A	1393	1	600	1168	3		1
HD2348Ø	3 46 19.6	23 56 56	HRS	ACCUM	Ø.25	ECH-B	2324	1	600	1168	3		. 1
HD2348Ø	3 46 19.6	23 56 56	HRS	ACCUM	Ø.25	ECH-B	2326	1	600	1168	3		1
HD23567	3 47 3.5	24 49 13	HRS	ACCUM	2.0	G14ØL	143Ø	2	15Ø	1210	2		1
HD23585	3 47 4.1	. 23 59 43	HRS	ACCUM	2.0	G14ØL	1430	2	150	1210	2		1
HD2361Ø	3 47 22.9	22 55 20	HRS	ACCUM	2.0	G14ØL	1430	2	15Ø	1210	2		1
HD23628	3 47 24.1	24 35 18	HRS	ACCUM	2.0	G14ØL	1430	2	15Ø	1210	2		1
HZ1392	3 47 24.3	23 54 53	HRS	ACCUM	2.0	G14ØL	1430	4	250	1210	2		1
HD2363Ø	3 47 29.1	24 6 19	HRS	ACCUM	Ø.25	ECH-A	1248	1	3Ø	1147	3		1
HD2363Ø	3 47 29.1		HRS	ACCUM	Ø.25	ECH-A	13Ø4	1	3Ø	1147	3		1
HZ1797	3 48 16.9		HRS	ACCUM	2.0	G14ØL	143Ø	5	300	1210	2		1
Ø347-383		-38 10 31	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		ī
BD+16D516	3 50 24.8		HRS	RAPID	2.0	G14ØL	143Ø	1	168Ø	1207	2		4
3C95		-14 29 9	PC	IMAGE	ALL	F128LP			1416	1Ø32	2	ACQ	1
3C95		-14 29 9	PC	IMAGE	ALL	F85ØLP		1	1416	1Ø32	2	ACQ	. 1
3C95		-14 29 9	FOS/RD	ACCUM	Ø.5	G65ØL		1	560	1032	2	CON S	
3C95		-14 29 9	FOS/RD	ACCUM	Ø.5	PRISM		ī	56Ø	1032	2	CON S	
3C95		-14 29 9	FOS/RD	ACQ/BINA		MIRROR		ī	4	1032	2	ACQ C	
3C95		-14 29 9	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		_	5106	1032	2	CON S	
3C95		-14 29 9	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		ī	51Ø6	1032	2	CON S	
3C95		-14 29 9	FOS/RD		Ø.7X2.Ø-BAR	MIRROR		ī	20	1032	2	ACQ C	
SKY3		-14 29 9*		ACCUM	Ø.7X2.Ø-BAR	G65ØL	65ØØ	î	1416	1032	2	PAR	2
PKSØ349-278		-27 44 34	F0C/96	IMAGE	512X512	F55ØM	0000	ī	600	1228	2	I AII	i
PKSØ349-278	3 51 35.8		F0C/96	IMAGE	512X512	F37ØLP		i	300	1228	2		i
PKSØ349-278			FOC/48	IMAGE	512X512	F18ØLP		1	6ØØ	1228		CON	
		-27 44 34		IMAGE	512X512 512X512	F32ØW		1			2	CON	1
PKSØ349-278		-27 44 34	F0C/288			F37ØLP		_	300	1228	2		1
PKSØ349-278		-27 44 34	F0C/288	IMAGE	512X512			1	300	1228	2		. 1
PKSØ349-278		-27 44 34	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
PKSØ349-27	3 51 35.9		F0C/96	IMAGE	512X512	F13ØM		1	1800	1233	2		1
PKSØ349-27		-27 44 35	F0C/96	IMAGE	512X512	F190M		1	1200	1233	2		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	126Ø	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1275	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1355	1	300	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-B	2325	1	3ØØ	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1476	1	3ØØ	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1477	1	300	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1478	1	3ØØ	1168	3		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1276	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1277	1	300	1168	3		ī
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	13Ø2	1	300	1168	3		ī
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1329	1	300	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1327	1	300	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1328	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1354	1	3ØØ	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1356	1	3ØØ	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1391	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1392	1	3ØØ	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-A	1393	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-B	2324	1	300	1168	3		1
HD24398	3 54 7.9		HRS	ACCUM	Ø.25	ECH-B	2326	1	300	1168	3		1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1448	5	48Ø	1065	2	CON S	SEL 1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1301	5	48Ø	1065	2	CON S	SEL 1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1328	5	48Ø	1Ø65	2	CON S	SEL 1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1418	5	48Ø	1065	2	CON S	SEL 1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1366	5	48Ø	1Ø65	2	CON S	SEL 1
HD24398	3 54 7.9	31 53 1	HRS	ACCUM	Ø.25	ECH-A	1279	5	48Ø	1Ø65	2 ,	CON S	SEL 1
X-PER	3 55 23.Ø		HSP/UV2	SINGLE	1.0	F145M		1	20	1097			1
X-PER	3 55 23.Ø		HSP/UV2	SINGLE	1.0	F184W		1	2Ø	1Ø97	Ø		1
X-PER	3 55 23.0		HSP/UV2	SINGLE	1.0	F248M		1	2Ø	1097	Ø		2Ø
X-PER	3 55 23.0		HSP/UV2	SINGLE	1.0	F284M		1	20	1Ø97	Ø		1
X-PER	3 55 23.0		HSP/UV2	SINGLE	1.0	F248M		1	20	1097	1	100	5
X-PER	3 55 23.0		HSP/POL	PEAKUP	6.0	F16ØLP		1	6Ø	1097	Ø	ACQ	1
X-PER	3 55 23.0		HSP/POL	SINGLE	POLØ	F216M		1	3Ø 3Ø	1097 1097	Ø		1
X-PER X-PER	3 55 23.Ø 3 55 23.Ø		HSP/POL HSP/POL	SINGLE SINGLE	POLØ POLØ	F237M F277M		1 1	30	1097	ø		1 2ø
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POLØ	F327M		1	3Ø	1097	ø		1
X-PER	3 55 23.0		HSP/POL	SINGLE	POLØ	F277M		ī	3Ø	1097	1		5
X-PER	3 55 23.0		HSP/UV1	PEAKUP	10.0	F14ØLP		ī	60	1097	ø	ACQ	ĭ
X-PER	3 55 23.Ø		HSP/UV2	PEAKUP	10.0	F14ØLP		ī	60	1097	ø	ACQ	19
X-PER	3 55 23.0		HSP/UV2	PEAKUP	10.0	F14ØLP		ī	6Ø	1097	1	ACQ	5
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL45	F216M		ī	3Ø	1097	ø		ĭ
X-PER	3 55 23.0		HSP/POL	SINGLE	POL45	F237M		1	3Ø	1097	Ø		1
X-PER	3 55 23.0		HSP/POL	SINGLE	POL45	F277M		1	3Ø	1097	Ø		20
X-PER	3 55 23.0		HSP/POL	SINGLE	POL45	F327M		1	3Ø	1097	Ø		1
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL9Ø	F216M		1	3Ø	1Ø97	Ø		1
X-PER	3 55 23.Ø	31 2 45	HSP/POL	SINGLE	POL9Ø	F237M		1	3Ø	1Ø97	Ø		1
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL9Ø	F277M		1	3Ø	1097	Ø		20
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL9Ø	F327M		1	3Ø	1Ø97	Ø		1
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL45	F277M		1	3Ø	1097	1		5
X-PER	3 55 23.0		HSP/POL	SINGLE	POL9Ø	F277M		1	3Ø	1Ø97	1		5
X-PER	3 55 23.Ø		HSP/POL	SINGLE	POL135	F216M		1	3Ø	1097	Ø		1
X-PER	3 55 23.Ø		HSP/POL	SINGLE	P0L135	F237M		1	3Ø	1097	Ø		1
X-PER	3 55 23.Ø	31 2 45	HSP/POL	SINGLE	P0L135	F277M		1	3Ø	1097	Ø		20

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			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
							4			÷			
X-PER	3 55 23.0	31 2 45	HSP/POL	SINGLE	POL135	F327M		1	3Ø	1Ø97	Ø		1
X-PER	3 55 23.0		HSP/POL	SINGLE	POL135	F277M		ī	3Ø	1097	1		5
X-PER	3 55 23.0		HSP/UV1	STAR-SKY	1.Ø-B	F22ØW		1	6Ø	1097	Ø		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1240	1	62	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1334	1	62	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1356	1	1Ø8	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1392	1	125	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1558	1	1Ø8	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1252	1	51	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	153Ø	1	113	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	28	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	45	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-A	1191	1	34	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-B	2024	1	34	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-A	1547	1	131	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	51	1071	1		1
HD2476Ø	3 57 51.2	40 0 38	HRS	WSCAN	Ø.25	ECH-B	1826	1	56	1071	1		1
HD2476Ø	3 57 51.2		HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	45	1071	1		1
HD2476Ø	3 57 51.2	40 0 37	HRS	ACCUM	Ø.25	ECH-A	126Ø	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1275	1	6Ø	1168	3		1.
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1355	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-B	2325	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1476	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1477	1	60	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1478	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1278	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1277	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	13Ø2	1	6Ø	1168	3		1
HD2478Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1329	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1327	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1328	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1354	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1356	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1391	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1392	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-A	1393	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-B	2324	1	6Ø	1168	3		1
HD2476Ø	3 57 51.2		HRS	ACCUM	Ø.25	ECH-B	2326	1	6Ø	1168	3		1
3C98	3 58 54.5		F0C/96	IMAGE	512X512	F13ØM	•	1	600	1228	2		1
3C98	3 58 54.5		F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C98	3 58 54.5		F0C/96	IMAGE	512X512	F5Ø2M		1	600	1228	2		1
3C98	3 58 54.5		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C98	3 58 54.5		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	126Ø	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1275	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1355	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-B	2325	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1476	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1477	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1 <del>4</del> 78	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1276	1	600	1168	3		1
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	1277	1	600	1168	3		1

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Tangat	PA (naga)	D (0000)	Inst.	Operating	Aposture	Spectral Element	Central Wave.		Exp.	TD		pec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Fremenc	mave.	Exp.	Time	ID	Cy.	Req.	Lines
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	13Ø2	1	600	1168	3		1
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	1329	1	600	1168	3		1
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	1327	1	600	1168	3		1
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	1328	1	600	1168	3		1
HD24912	3 58 57.8	35 47 28	HRS	ACCUM	Ø.25	ECH-A	1354	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1356	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1391	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1392	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-A	1393	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-B	2324	1	600	1168	3		1
HD24912	3 58 57.8		HRS	ACCUM	Ø.25	ECH-B	2326	1	6ØØ	1168	3		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-B	2324	2	240	1065	2		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1446	5	18Ø	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1261	5	300	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1418	5	180	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1344	5	18ø	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1366	5	18Ø	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1244	5	18Ø	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1279	5	18Ø	1065	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-B	2312	4	36Ø	1066	1		1
HD24912	3 58 57.9		HRS	ACCUM	Ø.25	ECH-A	1248	1	3Ø	1147	3		2
HD24912	3 58 57.9		HRS	ACCUM ACCUPINA	Ø.25	ECH-A	13Ø4	1	3Ø	1147	3		2
PKSØ4Ø5-12		-12 11 36	FOS/BL	ACQ/BINA		MIRROR MIRROR		1	11	1025	2	4.00	1
PKSØ4Ø5-12		-12 11 36	FOS/RD	ACQ/BINA		G13ØH	1270	1	11	1025	2	ACQ	2
PKSØ4Ø5-12		-12 11 36	FOS/BL	ACCUM ACCUM	1.0 1.0	G27ØH	1379 2753	1	9ØØ 6ØØ	1025 1025	1		1
PKSØ4Ø5-12 PKSØ4Ø5-12		-12 11 36	FOS/RD FOS/RD	ACCUM	1.0	G19ØH	1980	1 2	450	1025	1		1
Ø4Ø5-123INCA221-27		-12 11 36 -12 11 37	FGS/KD	POS	2	F55ØW	1300	1	45 <i>6</i> 51	1532	1 2		1
Ø4Ø5-123INCA221-27		-12 11 37	FGS	POS	2	F55ØW		1	51 51	1532	3		6
PKSØ4Ø5-12		-12 11 37	HRS	ACCUM	2.0	G16ØM	1400		69ØØ	1143	2		3 1
PKSØ4Ø5-12		-12 11 37	HRS	ACCUM	2.0	G2ØØM	1800		468Ø	1143	2		1
PKSØ4Ø5-12		-12 11 37	FOS/BL	ACCUM	1.Ø-PAIR-A	G13ØH	1379		1920	1142	1		
PKSØ4Ø5-12		-12 11 37	FOS/BL	ACCUM	1.Ø-PAIR-B	G13ØH	1379	_	192Ø	1142	i		i
PKSØ4Ø5-12		-12 11 37	FOS/RD	ACCUM	1.Ø-PAIR-A	G19ØH	1980		1200	1142	1		i
PKSØ4Ø5-12		-12 11 37	FOS/RD	ACCUM	1.Ø-PAIR-B	G19ØH	1980		1200	1142	i		1
INCA221-27	4 7 53.0		FGS	POS	2	F55ØW	1000	î	51	1532	2		4
INCA221-27	4 7 53.0		FGS	POS	2	F55ØW		î	51	1532	3		2
POINTØ4Ø5-123INCA221		-12 20 47	S/C	POINTING				ī	ø	1532	2		2
-27	T 0 10.4	-12 20 41	0,0	. 02	•-			-	~	1002	~		-
	4 8 18.4	-12 20 47	S/C	POINTING	V1			1	Ø	1532	3		1
-27	. 0 10. 1	12 20	<b>0, 0</b>					_	•	1002	•		•
LB227-CALIB	4 9 28.8	17 7 54	F0C/288	IMAGE	512X512	F152M		1	300	1232	1		1
LB227-CALIB	4 9 28.8	17 7 54	F0C/288	IMAGE	512X512	F231M		ī	270	1252	î	CAL	2
LB227-CALIB	4 9 28.8	17 7 54	F0C/288	IMAGE	512X512	F152M F165W		ī	27Ø	1252	ī	CAL	2
LB227-CALIB	4 9 28.8	17 7 54	F0C/288	IMAGE	512X512	F170M F175W F2ND		ī	270	1252	3	CAL	2
LB227-CALIB	4 9 28.8	17 7 54	F0C/288	IMAGE	512X512	F220W F231M F4ND		ī	270	1252	3	CAL	2
VA6	4 9 53.3	13 29 24	FGS	TRANS	ANY	F583W		ī	800	1004	1		ī
VA6	4 9 53.3	_	FGS	TRANS	PRIME	F55ØW		ī	800	1004	ī		4
NGC1535		-12 51 41	HRS	ACCUM	2.0	G14ØL	1250	ī	50	1212	2		i
NGC1535		-12 51 41	HRS	ACCUM	2.0	G14ØL	1420	1	101	1212	2		ī
NGC1535		-12 51 41	HRS	ACCUM	2.0	G14ØL	1870	1	3Ø4	1212	2		ī
VA43	4 12 7.5		FGS	TRANS	ANY	F583W		ī	800	1004	ī		ī
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
VA43	4 12 7.5	17 37 34	FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1		4
VA52	4 13 9.4	14 44 30	FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA52	4 13 9.4	14 44 30	FGS	TRANS	PRIME	F55ØW		1	800	1004	1		4
3C1Ø9	4 13 40.4	11 12 15	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	1440	1029	2		3
3C1Ø9	4 13 40.4	11 12 15	FOS/RD	ACQ/BINA		MIRROR		1	44	1029	2	ACQ	1
CW-TAU	4 14 17.0	28 10 59	PC	IMAGE	ALL	F85ØLP		1	Ø	1121	3	ACQ	1
CW-TAU	4 14 17.0	28 10 59	PC:	IMAGE	ALL-ND	F6Ø6W		1	160	1121	3		1
CW-TAU	4 14 17.0 4 14 17.0	28 10 59 28 10 59	PC PC	IMAGE	ALL-ND	F7Ø2W		1 1	140 100	1121 1121	3 3		2 1
CW-TAU VA68	4 14 51.8	13 3 18	FGS	IMAGE TRANS	ALL-ND ANY	F85ØLP F583W		1	8ØØ	1004	1		1
VA68	4 14 51.8	13 3 18	FGS	TRANS	PRIME	F55ØW		i	800	1004	1		4
VA72	4 15 10.2	14 23 56	FGS	TRANS	ANY	F583W		ī	800	1004	i		1
VA72	4 15 10.2	14 23 56	FGS	TRANS	PRIME	F55ØW		ī	800	1004	ī		4
HD26965B	4 15 13.5	-7 40 15	HRS	ACCUM	Ø.25	G16ØM	1335	1	450	1214	3		i
HD26965B	4 15 13.5	-7 40 15	HRS	ACCUM	Ø.25	G16ØM	1529	1	450	1214	3		1
HD26965B	4 15 13.5	-7 40 15	HRS	ACCUM	Ø.25	G16ØM	16Ø8	1	450	1214	3		1
HD2729Ø	4 16 1.2	-51 29 12	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	3ØØ	1275	2		1
HD2729Ø		-51 29 12	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD2729Ø		-51 29 12	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD2729Ø		-51 29 12	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
PKSØ414-Ø6	4 17 16.7	-5 53 46	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	200	1026	1		1
PKSØ414-Ø6	4 17 16.7	-5 53 46	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	1000	1026	1		1
PKSØ414-Ø6	4 17 18.7	-5 53 46 5 53 46	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	2600	1026	1		1
PKSØ414-Ø6 PKSØ414-Ø6	4 17 16.7	-5 53 46 -5 53 46	FOS/RD FOS/BL	ACCUM ACCUMENTAL	Ø.5	G19ØH	1900	1 1	2600	1026 1026	1	ACO	1
VA119	4 17 16.7 4 17 54.8	16 32 41	FGS	ACQ/BINA TRANS	ANY	MIRROR		1	11 8ØØ	1004	1 1	ACQ	1 1
VA119	4 17 54.8	16 32 41	FGS	TRANS	PRIME	F583W F55ØW		1	800	1004	1		4
3C111	4 18 21.3	38 1 35	F0C/96	IMAGE	512X512	F13ØM		ī	600	1228	2		ĭ
3C111	4 18 21.3	38 1 35	F0C/96	IMAGE	512X512	F32ØW		ī	300	1228	2		ī
3C111	4 18 21.3	38 1 35	F0C/96	IMAGE	512X512	F5Ø2M		ī	600	1228	2		ī
3C111	4 18 21.3	38 1 35	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	ī
3C111	4 18 21.3	38 1 35	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
VA135	4 18 21.8	17 25 19	FGS	TRANS	ANY	F583₩		1	8ØØ	1004	1		1
VA135	4 18 21.8	17 25 19	FGS	TRANS	PRIME	F55ØW		1	800	1004	1		4
VA146	4 18 47.0	13 21 59	FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA146	4 18 47.0	13 21 59	FGS	TRANS	PRIME	F55ØW		1	800	1004	1		4
VA162	4 19 20.1	14 19 Ø	FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA162	4 19 20.1	14 19 Ø	FGS	TRANS	PRIME	F55ØW	1000	1	800	1004	1		4
HD27295	4 19 26.1	21 8 31	HRS HRS	ACCUM	Ø.25	ECH-A	133Ø	1	65Ø	1182	2		1
HD27295 HD27295	4 19 26.1 4 19 26.1	21 8 31 21 8 31	HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A G16ØM	1335 1268	1 1	65Ø 195	1182 1182	2 1		1
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	G27ØM	3131	1	165	1182	1		1
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-A	1362	i	595	1182	2		i
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-A	1378	i	62Ø	1182	2		i
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-A	1677	i	1170	1182	2		î
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-B	1942	ī	275	1182	2		î
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-B	1739	ī	405	1182	2		ī
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-B	1849	ī	334	1182	2		ī
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-B	2354	ī	205	1182	2		ī
HD27295	4 19 28.1	21 8 31	HRS	WSCAN	Ø.25	G2ØØM	1858	ī	660	1182	ī		1
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-A	1649	ī	1095	1182	2		1
HD27295	4 19 28.1	21 8 31	HRS	WSCAN	Ø.25	G27ØM	2532	1	1425	1182			1

Tixed Talgets													U
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines
HD27295	4 19 26.1	21 8 31	HRS	ACCUM	Ø.25	ECH-B	2536	1	189	1182	2		. 1
HD27295	4 19 26.1	21 8 31	HRS	WSCAN	Ø.25	G16ØM	1500	1	1909	1182	1		1
NGC1566	4 19 27.0	-54 59 49	PC	IMAGE	ALL	F194W		1	900	1Ø36	Ø	ACQ	1
NGC1566		-54 59 49	PC	IMAGE	ALL	F375N		1	900	1036	Ø	ACQ	1
NGC1566	4 19 27.0		PC	IMAGE	ALL	F5Ø2N		1	900	1036	Ø	ACQ	1
NGC1566	4 19 27.0		PC	IMAGE	ALL	F664N		3	300	1036	Ø	ACQ	1
NGC1566	4 19 27.0		PC	IMAGE	ALL	F23ØW		1	720	1Ø36	Ø	ACQ	1
NGC1568		-54 59 49	PC	IMAGE	ALL	F547M		1	18Ø	1036	Ø	ACQ	1
NGC1568		-54 59 49	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2	SEL	1
NGC1568		-54 59 49	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	SEL	1
NGC1566		-54 59 49	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL SEL	1
NGC1566		-54 59 49	FOS/RD FOS/RD	ACCUM ACCUM	Ø.3 Ø.3	G4ØØH G57ØH		1 1	3ØØ 3ØØ	1Ø36 1Ø36	2	SEL	1 1
NGC1566		-54 59 49 -54 59 49	FOS/BL	ACQ/BINA		MIRROR		1	300 1	1036	2	ACQ S	_
NGC1566 NGC1566		-54 59 49	FOS/RD	ACQ/BINA		MIRROR		i	1	1036	2	ACQ S	
NGC1566-CLOUD1		-54 59 49*		ACCUM	Ø.3	G13ØH		î	6øø	1036	2	SEL	1
NGC1566-CLOUD1	4 19 27.0			ACCUM	Ø.3	G19ØH		ī	300	1036	2	SEL	ī
NGC1566-CLOUD1		-54 59 49*	•	ACCUM	Ø.3	G27ØH		ī	300	1036	2	SEL	ī
NGC1568-CLOUD1		-54 59 49*		ACCUM	Ø.3	G4ØØH		ī	3ØØ	1036	2	SEL	ĭ
NGC1568-CLOUD1		-54 59 49*		ACCUM	Ø.3	G57ØH		1	300	1Ø36	2	SEL	1
NGC1566-CLOUD2		-54 59 49*		ACCUM	Ø.3	G13ØH		1	600	1Ø36	2	SEL	1
NGC1566-CLOUD2	4 19 27.0	-54 59 49*	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	SEL	1
NGC1566-CLOUD2		-54 59 49*		ACCUM	Ø.3	G27ØH		1	300	1Ø36	2	SEL	1
NGC1566-CLOUD2	4 19 27.0	-54 59 49*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1Ø36	2	SEL	1
NGC1566-CLOUD2		-54 59 49*		ACCUM	Ø.3	G57ØH		1	3ØØ	1Ø36	2	SEL	1
NGC1566-CLOUD3		-54 59 49*		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL	1
NGC1566-CLOUD3		-54 59 49*		ACCUM	Ø.3	G4ØØH		1	3ØØ	1Ø36	2	SEL	1
NGC1566-CLOUD3		-54 59 49*		ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL	1
NGC1566-CLOUD3		-54 59 49*		ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC1566-CLOUD3			FOS/BL	ACCUM ACCUM	Ø.3 Ø.3	G13ØH G19ØH		1	600	1036	2	CON	
NGC1566-CLOUD3		-54 59 49*		ACCUM	Ø.3	G57ØH		1	300	1Ø36 1Ø36	2	CON S	
NGC1568-CLOUD4		-54 59 49* -54 59 49*		ACCUM	Ø.3	G57ØH		1 1	6ØØ 6ØØ	1036	2	SEL	1 1
NGC1566-CLDUD5 NGC1566		-54 56 18	HRS	ACCUM	2.0	G27ØM	2811	_	1860	1160	2	JLL	ī
NGC1566		-54 56 18	HRS	ACCUM	2.0	G27ØM	2811		1860	1160	3		ī
NGC1566		-54 56 18	HRS	ACCUM	2.0	G14ØL	1556		1760	1160	2		ī
NGC1568		-54 56 18	HRS	ACCUM	2.0	G14ØL	1556		1760	1160	3		ī
NGC1566		-54 56 18	F0C/96	IMAGE	512X512	F5Ø2M	4950	1	400	1227	2		1
NGC1566		-54 56 18	F0C/96	IMAGE	512X512	F5Ø1N	5010	1	400	1227	2		. 1
NGC1566	4 20 0.4	-54 56 18	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	2		1
NGC1566	4 20 0.4	-54 56 18	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	400	1227	2		1
NGC1566	4 20 0.4	-54 56 18	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	445Ø	1	400	1227	2		1
HDE276247	4 20 16.8	42 18 52	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	40	1174	1		1
HDE276247	4 20 16.8		HRS	ACCUM	Ø.25	G14ØL	128Ø	1	16Ø	1174	1		1
HDE276247	4 20 16.8		HRS	ACCUM	Ø.25	G14ØL	1555	1	40	1174	1		1
HDE276247	4 20 16.8		HRS	ACCUM	Ø.25	G14ØL	1555	1	160	1174	1		1
VA191	4 20 19.8		FGS	TRANS	ANY	F583W		1	8ØØ	1004	1		. 1
VA191	4 20 19.8	_	FGS	TRANS	PRIME	F55ØW	4.44	1	800	1004	1		4
HD27561	4 21 34.8		HRS	ACCUM	2.0	G14ØL	1430	1	120	1210	Ø		1
RY-TAURI	4 21 57.4		HRS	ACCUM	2.0	G27ØM	2800	1	100	1209	1		1
RY-TAURI	4 21 57.4		HRS	ACCUM	2.0	G14ØL	1300	2	27Ø	1209	1		1
RY-TAURI	4 21 57.4	28 26 36	HRS	ACCUM	2.0	G14ØL	155Ø	2	27Ø	1209	1		1

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•	•		Inst.	Operating		Spectral	Central	No.	Exp.		Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy. Req.	Lines
RY-TAURI	4 21 57.4	28 26 36	HRS	ACCUM	2.0	G2ØØM	1900	5	33Ø	1209	1	
RY-TAURI	4 21 57.4		HRS	ACCUM	2.0	G27ØM	2325	2	27Ø	1209	1	1
HDE283572						G27ØM G27ØM	2800			1209	_	1
	4 21 58.8		HRS	ACCUM	2.0			1	160		2	1
HDE283572	4 21 58.8		HRS	ACCUM	2.0	G14ØL	1550	2	130	1209	2	1
HDE283572	4 21 58.8		HRS	ACCUM	2.0	G14ØL	1300	3	160	1209	2	. 1
HDE283572	4 21 58.8		HRS	ACCUM	2.0	G27ØM	2325	2	25Ø	1209	2	1
HDE283572	4 21 58.8		HRS	ACCUM	2.0	G2ØØM	1900	5	189	1209	2	,1
T-TAU	4 21 59.2		F0C/96	IMAGE	512X512	F140M		.1	600	1263	2	1
T-TAU	4 21 59.2	19 32 5	F0C/98	IMAGE	512X512	F152M		1	600	1263	2	1
T-TAU	4 21 59.2		F0C/98	IMAGE	512X512	F253M		1	600	1263	2	1
T-TAU	4 21 59.2	19 32 5	F0C/96	IMAGE	512X512	F278M		1	6ØØ	1263	2	1
T-TAU	4 21 59.2	19 32 5	F0C/98	IMAGE	512X512	F346M		1	300	1263	2	1
T-TAU	4 21 59.2	19 32 5	F0C/98	IMAGE	512X512	F346M F4ND		.1	300	1263	2	1
T-TAU	4 21 59.4	19 32 7	PC '	IMAGE	ALL	F7Ø2W		1	1	1121	Ø ACQ	1
T-TAU	4 21 59.4	19 32 7	PC	IMAGE	ALL	F656N		1	300	1121	2 `	1
T-TAU	4 21 59.4		PC	IMAGE	ALL	F85ØLP		1	3	1121	2	ĩ
T-TAU	4 21 59.4		PC	IMAGE	ALL-ND	F7Ø2W		1	5Ø	1121	ī	ī
T-TAU	4 21 59.4		PC	IMAGE	ALL-ND	F673N			1000	1121	2	ī
T-TAU	4 21 59.4		PC	IMAGE	ALL-ND	F7Ø2W		1	50	1121	2	ī
HD284419	4 21 59.4		HRS	ACCUM	2.0	G27ØM	2800	ī	9ø	1209	2	ī
HD284419	4 21 59.4		HRS	ACCUM	2.0	G14ØL	1800	3	100	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G14ØL	1300	3	120	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G14ØL	155 <b>ø</b>	3	120	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G16ØM	1400	5	310	1209	2	ī
HD284419	4 21 59.4		HRS	ACCUM	2.0	G16ØM	155Ø	5	310	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G2ØØM	1900	5	36Ø	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G27ØM	2325	2	120	1209	2	i
HD284419	4 21 59.4		HRS	ACCUM	2.0	G16ØM	1215	5	310	1209	2	1
Ø42Ø-389	4 22 14.8		F0C/96	IMAGE	512X512	PRISM1	3575	ĭ	900	1235	ø	1
Ø42Ø+Ø4ØPØ8	4 23 40.8		F0C/96	IMAGE	512X512	F13ØM	3070	i	300	1244	2	i
Ø42Ø+Ø4ØPØ6	4 23 40.8		F0C/96	IMAGE	512X512	F342W		î	300	1244	2	1
Ø42Ø+Ø4ØPØ6	4 23 40.8	4 8 2	F0C/96	IMAGE	512X512	F43ØW		i	300	1244	2	
Ø42Ø+Ø4ØPØ6	4 23 40.8	4 8 2	F0C/98	IMAGE	512X512 512X512	F5Ø2M		1	6ØØ	1244	2	1
VA282	4 23 42.8		FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA282	4 23 42.8	15 52 52	FGS	TRANS	PRIME	F55ØW		i	800		1	4
VA294	4 23 54.3		FGS	TRANS	ANY	F583W		1		1004	1	•
VA294					PRIME	F55Ø\			8ØØ	1004	_	1
VA294 VA292		14 3 8	FGS	TRANS	ANY			1	8ØØ	1004	1	4
	4 23 55.5	16 21 15	FGS	TRANS		F583W		1	8ØØ	1004	1	1
VA292	4 23 55.5		FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1	4
VA297	4 23 59.0		FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA297	4 23 59.0		FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1	4
VA31Ø	4 24 17.0		FGS	POS	2	F55ØW		1	53	1009		18
VA31Ø	4 24 17.0		FGS	POS	2	F55ØW		1	53	1009		16
VA31Ø	4 24 17.0		FGS	POS	2	F55ØW		1	53	1009		8
VA31Ø	4 24 17.0		FGS	TRANS	ANY	F583W		1	800	1009		1
VA31Ø	4 24 17.0		WFC	IMAGE	ALL	F725LP		1	600	1009		4
PCEN31Ø	4 24 18.4	17 57 52	FGS	POS	2	F55ØW		Ø	53	1009		1
PKSØ422+ØØ4	4 24 46.8	Ø 36 7	HSP/UV2			F14ØLP		1	6Ø	1Ø99		10
VA334	4 24 47.9		FGS	TRANS	ANY	F583W		1	800	1004		1
VA334	4 24 47.9		FG\$	TRANS	PRIME	F55Ø <b>W</b>		1	8ØØ	1004	1	4 -
VA351	4 25 13.4		FGS	TRANS	ANY	F583W		1	8ØØ	1004	1	1
VA351	4 25 13.4	17 16 8	FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1	4

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
VA354	4 25 25.3	17 54 58	FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA354	4 25 25.3	17 54 58	FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1	4
HD2799Ø	4 25 47.4	18 1 2	HRS	ACCUM	2.0	G14ØL	1430	3	200	1210	2	1
VA366	4 25 49.2	15 31 16	FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA366	4 25 49.2	15 31 16	FGS	TRANS	PRIME	F55ØW		1	800	1004	1	4
VA376	4 25 53.9		FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA376	4 25 53.9		FGS	TRANS	PRIME	F55ØW		1	800	1004	1	4
PCEN383	4 26 3.8	15 4 34	FGS	POS	2	F55ØW		Ø	53	1009	1 CON	1
VA383	4 26 4.8		FGS	POS	2	F55ØW		1	53	1009	1 CON	18
VA383	4 26 4.8		FGS	POS	2	F55ØW		1	53	1009	2 CON	16
VA383	4 26 4.8	15 2 28	FGS	POS	2	F55ØW		1	53	1009	3 CON	8
VA383	4 26 4.8		FGS	TRANS	ANY	F583W_		1	800	1009	Ø	1
VA383	4 26 4.8	15 2 28	WFC	IMAGE	ALL	F725LP		1	600	1009	1 PAR	4
HD28Ø34	4 26 5.9		HRS	ACCUM	2.0	G14ØL	1430	1	150	1210	2	1
HD28Ø52	4 26 20.8		HRS	ACCUM	2.0	G14ØL	1550	1	150	1210	Ø	1
HD28Ø52	4 26 20.8		HRS	ACCUM	2.0	G14ØL	1300	2	150	1210	Ø	1
VA404	4 26 42.7	12 41 12	FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA404	4 26 42.7 4 26 54.2		FGS FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004 1004	1 1	4
VA407	4 26 54.2 4 26 54.2		FGS	TRANS TRANS	ANY	F583W		1 1	8ØØ 8ØØ	1004	1	1 4
VA4Ø7	4 27 4.3	28 6 16	F0C/96	IMAGE	PRIME	F55ØW		1	6ØØ	1263	2	1
DG-TAU DG-TAU	4 27 4.3	26 6 16	F0C/96	IMAGE	512X512 512X512	F14ØM F152M		1	600	1263	2	i
DG-TAU	4 27 4.3	26 6 16	F0C/98	IMAGE	512X512 512X512	F253M		i	600	1263	2	i
DG-TAU	4 27 4.3	26 6 16	F0C/98	IMAGE	512X512 512X512	F278M		i	600	1263	2	1
DG-TAU	4 27 4.3	26 6 16	F0C/96	IMAGE	512X512	F346M		ī	300	1263	2	î
DG-TAU	4 27 4.3	26 6 16	F0C/96	IMAGE	512X512	F346M F4ND		ī	300	1263	2	ī
DG-TAU	4 27 4.7		PC	IMAGE	ALL	F7Ø2W		1	4	1121	Ø ACQ	ī
DG-TAU	4 27 4.7	26 6 17	PC	IMAGE	ALL	F631N		1	300	1121	2	ī
DG-TAU	4 27 4.7	26 6 17	PC	IMAGE	ALL	F656N		ī	300	1121	2	1
DG-TAU	4 27 4.7	26 6 17	PC	IMAGE	ALL-ND	F7Ø2W		1	7Ø	1121	1	1
DG-TAU	4 27 4.7	26 6 17	PC	IMAGE	ALL-ND	F7Ø2W		1	7Ø	1121	2	1
DG-TAU	4 27 4.7	26 6 17	PC	IMAGE	ALL-ND	F85ØLP		1	100	1121	2	1
Ø424-131	4 27 7.3	-13 2 54	F0C/288	IMAGE	512X512	F1ND F342W		1	300	1236	Ø	1
DG-TAU-B	4 27 11.3	26 5 29	F0C/96	IMAGE	512X512	F346M		1	600	1263	2	1
DG-TAU-B	4 27 11.3		F0C/96	IMAGE	512X512	F253M			1200	1263	2	1
DG-TAU-B	4 27 11.3	26 5 29	F0C/98	IMAGE	512X512	F278M			1200	1263	2	1
VA42Ø	4 27 16.5		FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA42Ø	4 27 16.5		FGS	TRANS	PRIME	F55ØW		1	800	1004	1	4
VA444	4 27 32.3	15 21 56	FGS	TRANS	ANY	F583W		1	800	1004	1	1
VA444	4 27 32.3	15 21 56	FGS	TRANS	PRIME	F55ØW		1	800	1004	1	4
PCEN472	4 28 3.6	13 52 58	FGS	POS	2	F55ØW		Ø	53	1394	1 CON	1
VA472	4 28 4.5	13 52 3	FGS	POS	2	F55ØW		1	53	1394	1 CON	18
VA472	4 28 4.5	13 52 3	FGS	POS	2	F55ØW		1	53	1394	2 CON	16
VA472	4 28 4.5	13 52 3 13 52 3	FGS	POS	2	F55ØW		1	53	1394	3 CON	8
VA472	4 28 4.5		FGS WFC	TRANS	ANY	F583W		1	800	1394	Ø 1 PAR	1
VA472	4 28 4.5	13 52 3 14 44 27	HRS	IMAGE ACCUM	ALL	F725LP	1200	1	6ØØ 7Ø	1394 1210	1 PAR 2	1
HD28294	4 28 23.4 4 28 23.4	14 44 27	HRS	ACCUM	2.Ø 2.Ø	G14ØL	13ØØ 155Ø	1 1	719 60	1210	2	1
HD28294	4 28 23.4	18 58 11	FGS	TRANS	ANY	G14ØL	1000	1	8ØØ	1004	1	1
VA49Ø VA49Ø	4 28 39.3	16 58 11	FGS	TRANS	PRIME	F583W F55ØW		1	8ØØ	1004	1	Ä
VA490 VA500	4 28 50.7	16 17 21	FGS	TRANS	ANY	F583\		1	800	1004	1	1
VA500 VA500	4 28 50.7		FGS	TRANS	PRIME	F55Ø\		1	8ØØ	1004	1	Ā
TAGEE	7 20 30.7	10 11 21	. 40	111/1110	· IVIME	1 33011		_	~~ <i>U</i>	+404	•	7

## Fixed Targets

VA502       4 28 52.3 15 58 54 FGS       TRANS       ANY       F583W       1 800 1004 1         VA502       4 28 52.3 15 58 54 FGS       TRANS       PRIME       F550W       1 800 1004 1         HD28497       4 29 7.0 -13 2 54 HRS       WSCAN       Ø.25       ECH-A       1530 1 98 1071 2         HD28497       4 29 7.0 -13 2 54 HRS       WSCAN       Ø.25       ECH-B       2370 1 24 1071 2         HD28497       4 29 7.0 -13 2 54 HRS       WSCAN       Ø.25       ECH-A       1303 1 38 1071 2	1 4 1 1 1 1 1 1
VA502 4 28 52.3 15 58 54 FGS TRANS PRIME F550W 1 800 1004 1 HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1530 1 98 1071 2 HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-B 2370 1 24 1071 2 HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-B 2370 1 24 1071 2	4 1 1 1 1 1 1 1
HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1530 1 98 1071 2 HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-B 2370 1 24 1071 2	1 1 1 1 1 1
HD28497 4 29 7 6 -12 2 EA HDC WCAN 6 OF FOLLA	1 1 1 1 1 1
NUZUAY/ 4 29 /.0 -13 2 54 HRS WSCAN 0.25 FCH_A 1202 1 20 1071 A	1 1 1 1 1 1
1900407 1903 1 38 10/1 2	1 1 1 1
HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1356 1 91 1071 2	1 1 1 1
HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1558 1 91 1071 2	1 1 1
HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1392 1 105 1071 2	1
HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 ECH-A 1240 1 52 1071 2 HD28497 4 29 7.0 -13 2 54 HRS WSCAN 0.25 FCH-A 1252 1 43 1071 2	
HD28407 4 20 7 6 -12 0 E4 LIDE WECAN G OF FOUR	1
HD29407 4 20 7 6 12 2 E4 UPC WCCAN 6 OF FOUR	
MD28407 4 20 7 6 -12 2 54 UPC WCCAN 6 OF FOUR	1
HD28407 4 20 7 8 -12 2 E4 UPC WCCAN 8 0F FOUR	1
HD28497 A 29 7 0 -13 2 54 HDS WSCAN 0 05 FCH D 2024 1 28 10/1 2	1
HD28407 4 20 7 0 -12 2 E4 UPS WSCAN 0 0 5 501 4 202 1 38 10/1 2	1
HD28497 4 29 7 0 -13 2 54 HDS WSCAN 0 25 FCH D	1
VAE20 A 20 12 2 15 18 28 ECC TRANC ANY FRONT	1
VAE29 A 20 12 2 15 18 28 EAS TRANS PRINT FORM	1
VARS7 A 20 18 2 12 21 20 ECC TRANC ANY FROM	4
VAEST 4 20 18 2 12 21 20 ECC TRANC PRINT	1
PCENTAR A 20 20 B 18 12 45 ECC POC DOC DOC DOC DOC DOC DOC DOC DOC DOC D	. 4
VARAR 4 20 21 6 18 14 41 ECC POC 0 FEEGU	
VARAR 4 20 21 6 14 14 15 ECC POC 0 FEEDING 1 53 1394 1 CU	
VARAR 4 20 21 8 18 14 41 ECC POC 0 FEETH 1 53 1394 2 CU	
VARAR 4 20 21 G 18 14 41 ECC TRANC ANY ECCURY 1 53 1394 3 CU	=
VAEAR 4 20 21 G 10 14 41 WEC THACK ALL	1
VARRO A 20 FE R 18 FA E1 FOC TRANC ANY FRONT	
VARRO A 20 FE R 1R FA F1 FCS TRANS PRIME FROM	1
1 K-HA-101 A 20 14 5 25 18 25 DC THACE ALL FORCH	4
LK-HA-101 4 30 14.5 35 18 25 PC IMAGE ALL-ND F702W 1 350 1121 3	1
LK-HA-101 4 30 14.5 35 18 25 PC IMAGE ALL-ND F702W 1 360 1121 3	1
LK-HA-101 4 30 14.5 35 18 25 PC IMAGE ALL-ND F850LP 1 160 1121 3	1
LK-HA-101 4 30 14.5 35 16 25 PC IMAGE ALL F702W 1 1 1121 3 AC	1 1
VA607 4 30 57.2 12 18 14 FGS TRANS ANY F583W 1 800 1004 1	1
VA607 4 30 57.2 12 18 14 FGS TRANS PRIME F550W 1 800 1004 1	<u> </u>
VA610 4 31 10.9 16 23 45 FGS TRANS ANY F583W 1 800 1004 1	7
VA610 4 31 10.9 16 23 45 FGS TRANS PRIME F550W 1 800 1004 1	<u> </u>
TA022 4 31 29.2 17 43 8 FG5 PUS 2 F550W 1 53 1394 1 CO	18
VA622 4 31 29.2 17 43 6 FGS POS 2 FFFFFW 1 F2 1204 9 CO	
VA622 4 31 29.2 17 43 6 FGS POS 2 F650W 1 53 1394 3 CO	
VA622 4 31 29.2 17 43 8 FGS TRANS ANY F583W 1 800 1304 0	1
VA622 4 31 29.2 17 43 8 WFC IMAGE ALL F725LP 1 600 1394 1 PA	
PCEN822 4 31 31.3 17 43 14 FGS POS 2 F550W Ø 53 1394 1 CO	
1855 4 31 33.8 18 8 8 FDC/98 IMAGE 512X512 F346M 1 600 1263 2	' i
1856 4 31 33.8 18 8 8 FUC/98 IMAGE 512X512 F253M 1 1200 1263 2	î
IRS5 4 31 33.8 18 8 8 FOC/98 IMAGE 512X512 F278M 1 1200 1283 2	ī
LIBBI 4 31 34.1 18 8 8 PC IMAGE ALL F656N 2 800 1138 1	ī
LIBBI 4 31 34.1 18 8 8 PC IMAGE ALL F673N 2 800 1138 1	ī
LIBBI 4 31 34.1 18 8 8 PC IMAGE ALL F702W 2 500 1138 1	ī
VA627 4 31 38.5 17 42 33 FGS PUS 2 F550W 1 53 1394 1 CO	
VA627 4 31 38.5 17 42 33 FGS POS 2 F55ØW 1 53 1394 2 CO	

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID			otal ines
VA627	4 31 36.5	17 42 33	FGS	POS	2	F55ØW		1	53	1394	3	CON	8
VA627	4 31 36.5		FGS	TRANS	ĀNY	F583W		1	800	1394	ø		ĭ
HL-TAU	4 31 38.1		F0C/96	IMAGE	512X512	F253M		1	600	1263	2		î
HL-TAU	4 31 38.1		F0C/96	IMAGE	512X512	F278M		1	600	1263	2		ī
HL-TAU	4 31 38.1		F0C/96	IMAGE	512X512	F346M		1	300	1263	2		ī
HL-TAU	4 31 38.1		F0C/96	IMAGE	512X512	F2ND F346M		1	300	1263	2		1
HL-TAU	4 31 38.4		PC	IMAGE	ALL-ND	F7Ø2W		1	26Ø	1121	2		ī
HL-TAU	4 31 38.4	18 13 59	PC	IMAGE	ALL-ND	F7Ø2W		1	26Ø	1121	3		1
HL-TAU	4 31 38.4	18 13 59	PC	IMAGE	ALL-ND	F85ØLP		1	35Ø	1121	3		1
XZ-HL-TAU	4 31 39.2	18 13 58	PC	IMAGE	ALL	F7Ø2W		1	3Ø	1121	Ø	ACQ	1
XZ-HL-TAU	4 31 39.2	18 13 58	PC	IMAGE	ALL	F673N		1	1000	1121	2	•	1
XZ-HL-TAU	4 31 39.2	18 13 58	PC	IMAGE	ALL	F631N		2	1000	1121	2		1
XZ-HL-TAU	4 31 39.2	18 13 58	PC	IMAGE	ALL	F656N		2	1000	1121	2		1
XZ-HL-TAU	4 31 39.2	18 13 58	PC	IMAGE	ALL	F656N		2	1000	1121	3		1
XZ-TAU	4 31 39.7		F0C/96	IMAGE	512X512	F253M		1	600	1263	2		1
XZ-TAU	4 31 39.7		F0C/96	IMAGE	512X512	F278M		1	600	1263	2		1
XZ-TAU	4 31 39.7		F0C/96	IMAGE	512X512	F346M		1	300	1263	2		1
XZ-TAU	4 31 39.7		F0C/96	IMAGE	512X512	F2ND F346M		1	300	1263	2		1
NGC18ØØ-NUC	4 31 40.0		PC	IMAGE	ALL	F785LP		1	1000	1118	2		2
VA637	4 31 43.6		FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA637	4 31 43.6		FGS	TRANS	PRIME	F55ØW		1	800	1004	1		4
ННЗØ	4 31 46.9		F0C/96	IMAGE	512X512	F346M		1	600	1263	2		1
HH3Ø	4 31 48.9		F0C/96	IMAGE	512X512	F253M		1	1200	1263	2		1
HH3Ø	4 31 46.9		F0C/96	IMAGE	512X512	F278M		1	1200	1263	2	COM	1
VA645 VA645	4 31 52.7		FGS	POS POS	2	F55ØW F55ØW		1	53 53	1394 1394	1	CON	18
VA645	4 31 52.7 4 31 52.7		FGS FGS	POS	2 2	F55ØW		1	53	1394	2 3	CON CON	16
VA645	4 31 52.7		FGS	TRANS	ANY	F583W		i	8ØØ	1394	ø	CON	8
VA645	4 31 52.7		WFC	IMAGE	ALL	F725LP		ī	6ØØ	1394	í	PAR	1 4
VA646	4 31 54.8		FGS	POS	2	F55ØW		i	53	1394	i	CON	18
VA646	4 31 54.8		FGS	POS	2	F55ØW		ī	53	1394	2	CON	16
VA646	4 31 54.8		FGS	POS	2	F55ØW		ī	53	1394	3	CON	8
VA646	4 31 54.8		FGS	TRANS	ĀNY	F583W		ī	800	1394	ø		ĭ
PCEN645	4 31 57.3		FGS	POS	2	F55ØW		Ø	53	1394	ĩ	CON	ī
VA673	4 32 23.6		FGS	TRANS	ANY	F583W		1	800	1004	ī		ī
VA673	4 32 23.6		FGS	TRANS	PRIME	F55ØW		1	800	1004	ĩ		4
VA677	4 32 25.5	13 6 48	FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA677	4 32 25.5	13 6 48	FGS	TRANS	PRIME	F55ØW		1	8ØØ	1004	1		4
3C119	4 32 36.5	41 38 29	F0C/96	IMAGE	512X512	F17ØM		1	9ØØ	1228	1		1
3C119	4 32 36.5	41 38 29	F0C/96	IMAGE	512X512	F37ØLP		1	600	1228	1		1
3C119	4 32 36.5	41 38 29	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C119	4 32 36.5	41 38 29	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
INCA221-29-AST1	4 32 39.8	5 13 4	FGS	POS	2	F55ØW		1	2	1139	2	CON PAR	2
INCA221-29-AST1	4 32 39.8	5 13 4	FGS	POS	2	F55ØW		1	8	1139	2	CON PAR	
INCA221-29-AST2	4 33 10.4	5 15 49	FGS	POS	2	F55ØW		1	Ø	1139	2	CON PAR	
Ø43Ø+Ø52INCA221-29	4 33 11.0		FGS	POS	2	F55ØW		1	51	1532	1		3
Ø43Ø+Ø52INCA221-29	4 33 11.0		FGS	POS	2	F55ØW		1	51	1532	2		3
Ø43Ø+Ø52INCA221-29	4 33 11.0	5 21 17	PC	IMAGE	P8	F6Ø6W		1	2	1139	2		2
Ø43Ø+Ø52INCA221-29	4 33 11.0	5 21 17	PC	IMAGE	P8	F6Ø6W		1	2	1139	2	CON	2
Ø43Ø+Ø52INCA221-29	4 33 11.0		PC	IMAGE	P8	F725LP		1	2	1139	2		2
Ø43Ø+Ø52INCA221-29	4 33 11.0	5 21 17	PC	IMAGE	P8	F725LP		1	8	1139	2	CON	2
3C12Ø	4 33 11.1	5 21 15	PC	IMAGE	ALL	F555\		1	400	1116	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Су.	Spec. Req.	Total Lines
3C12Ø	4 33 11.1	5 21 15	PC	IMAGE	ALL	F675W		1	35Ø	1116	2		1
3C12Ø	4 33 11.1	5 21 15	PČ	IMAGE	ALL	F725LP		ī	800	1116	2		ī
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F165W		1	600	1227	Ø		1.
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F165W		ĩ	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F32ØW		1	2400	1227	Ø		ī
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F32ØW		1	2400	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C12Ø	4 33 11.1	5 21 15	F0C/288	IMAGE	512X512	F165W		1	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	600	1227	Ø		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F130M	127Ø	1	2400	1227	Ø		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F13ØM	127Ø	1	2400	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F5Ø1N	5010	1	600	1227	Ø		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	Ø		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F5Ø1N	5010	1	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/288	IMAGE	256X256	F190M	1975	1	400	1227	2		3
3C12Ø	4 33 11.1	5 21 15	F0C/48	SPEC	256X1Ø24-SLIT		4.45.	1	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/48	SPEC	256X1Ø24-SLIT		4450	1	600	1227	1		1
3C12Ø	4 33 11.1	5 21 15	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
3C12Ø	4 33 11.1 4 33 11.1	5 21 16 5 21 16	FOS/BL FOS/BL	ACCUM ACCUM	Ø.3	G13ØH		1	600	1036	2		1
3C12Ø 3C12Ø	4 33 11.1	5 21 16	FOS/RD	ACCUM	Ø.3 Ø.3	G19ØH G27ØH		1	3ØØ 3ØØ	1Ø36 1Ø36	2		1 1
3C12Ø	4 33 11.1	5 21 16	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2		1
3C12Ø	4 33 11.1	5 21 16	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2		i
3C12Ø	4 33 11.1	5 21 16	FOS/BL	ACQ/BINA		MIRROR		i	3	1036	2	ACQ	i
VA7Ø9	4 33 27.0	13 2 44	FGS	TRANS	ANY	F583W		ī	8ØØ	1004	ī	neq	i
VA7Ø9	4 33 27.0	13 2 44	FGS	TRANS	PRIME	F55ØW		ī	800	1004	ī		4
A496	4 33 38.1		F0C/96	IMAGE	512X512	F12ØM		ī	900	1251	2		i
A498	4 33 38.1		F0C/96	IMAGE	512X512	F372M		ī	900	1251	2		ī
POINTØ43Ø+Ø52INCA221	4 33 41.0	5 10 30	s/c [°]	POINTING		1 77		1	Ø	1532	1		ī
-29										1222			1
POINTØ43Ø+Ø52INCA221 -29	4 33 41.0	5 10 30	s/c	POINTING	V1			1	Ø	1532	2		1
-25 VA722	4 33 44.9	12 42 42	FGS	TRANS	ANY	F583W		1	800	1004	1		1
VA722	4 33 44.9	12 42 42	FGS	TRANS	PRIME	F55ØW		ī	800	1004	i		4
INCA221-29	4 33 50.4	5 23 4	PC	IMAGE	P8	F658N		î	Ø	1139	2	CON	2
INCA221-29	4 33 50.4	5 23 4	FGS	POS	2	F5ND		ī	51	1532	ī	COIT	2
INCA221-29	4 33 50.4	5 23 4	FGS	POS	2	F5ND		ī	51	1532	2		2
HD28978-CALIB	4 34 8.3	5 34 7	F0C/288	IMAGE	256X256	F19ØM F6ND	1975	ī	300	1227	2	CAL	ī
HD28978-CALIB	4 34 8.3	5 34 7	F0C/288	IMAGE	512X512	F19ØM F6ND	1975	î	300	1227	2	CAL	ī
VA747	4 34 32.1	15 49 40	FGS	TRANS	ANY	F583W	10.0	ī	800	1004	ī	٠,,٣	ī
VA747	4 34 32.1	15 49 40	FGS	TRANS	PRIME	F55ØW		ī	800	1004	ī		4
VA764	4 35 30.6	14 12 44	FGS	TRANS	ANY	F583W		ī	800	1004	ī		i
VA764	4 35 30.6	14 12 44	FGS	TRANS	PRIME	F55ØW		ī	800	1004	ī		4
HD29139-CALIB	4 35 55.2	16 30 33	F0C/288	IMAGE	512X512	F278M F32ØW F8ND		ī	900	1250	2	CAL	i
HD29139-CALIB	4 35 55.2	16 30 33	F0C/288	IMAGE	512X512	F3Ø7M F32ØW F8ND		ī	900	125Ø	2	CAL	1
HD29139	4 35 55.2	16 30 33	HRS [*]	ACCUM	2.0	G2ØØM	1655	1	300	1195	3		1
HD29139	4 35 55.2	16 30 33	HRS	ACCUM	2.0	G14ØL	1314	1	654	1195	3		1
HD29139	4 35 55.2	16 30 33	HRS	ACCUM	2.0	G2ØØM	1994	1	546	1195	3		1
HD29139	4 35 55.2	16 30 33	HRS	ACCUM	Ø.25	ECH-B24	2327	1	900	1195	3		1.

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD29139	4 35 55.2	16 3Ø 33	HRS	ACCUM	Ø.25	ECH-B2Ø	2759	1	522	1195	3		1
HD29139	4 35 55.2		HRS	ACCUM	Ø.25	ECH-B2Ø	2772	1	522	1195	3		ī
HD29139	4 35 55.2	16 30 33	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	84	1195	3		1
HD29712	4 36 45.9		HRS	ACCUM	Ø.25	G27ØM	276Ø	1	84Ø	1196	3		ī
HD29712	4 36 45.9		HRS	ACCUM	Ø.25	G27ØM	2835	ī	1260	1196	3		ī
HD29712	4 36 45.9		HRS	ACCUM	Ø.25	G27ØM	2581	1	48Ø	1196	3		ī
HD29712	4 36 45.9		HRS	ACCUM	Ø.25	G27ØM	2614	ï	48Ø	1198	3		ī
HD29712	4 38 45.9		HRS	ACCUM	Ø.25	G27ØM	2723	1	84Ø	1196	3		ī
HD29712		-62 4 39	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	84Ø	1196	3		1
3C123	4 37 4.2	29 40 21	PC	IMAGE	ALL	F6Ø6W		1	1200	1058	2		1
FMA1Ø83-6	4 37 9.5	24 18 47	WFC	IMAGE	ALL	F569W		1	Ø	1Ø83	1	ACQ	2
FMA1Ø83-6	4 37 9.5	24 18 47	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1	·	2
LMC-WS2	4 47 40.5	-72 28 3Ø	PC	IMAGE	ALL	F5Ø2N		1	15Ø	1Ø46	Ø	ACQ	1
LMC-WS2	4 47 40.5		PC	IMAGE	ALL	F664N		ī	150	1046	ø	ACQ	ī
LMC-WS2		-72 28 30	FOS/BL	ACCUM	Ø.3	G16ØL		ī	36Ø	1046	2		ī
LMC-WS2	4 47 40.5		FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1046	2		ĭ
LMC-WS2	4 47 40.5	-72 28 30	FOS/BL	ACCUM	1.0	G19ØH		1	36Ø	1046	2		ī
LMC-WS2	4 47 40.5	-72 28 30	FOS/RD	ACCUM	Ø.3	PRISM		1	48Ø	1046	2		1
LMC-WS2	4 47 40.5	-72 28 30	FOS/RD	ACCUM	1.0	G27ØH		1	36Ø	1046	2		1
LMC-WS2-OFFSET-STAR	4 47 40.5	-72 28 30*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1046	2	ACQ	1
4CØ9.17	4 48 21.8	9 50 51	F0C/98	IMAGE	512X512	F372M		1	900	1228	1		1
4CØ9.17	4 48 21.8		F0C/96	IMAGE	512X512	F43ØW		1	600	1228	1		1
4CØ9.17	4 48 21.8		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
4CØ9.17	4 48 21.8		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	126Ø	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1275	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1355	1	600	1168	3		1
HD3Ø814	4 54 3.0		HRS	ACCUM	Ø.25	ECH-B	2325	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1478	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1477	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25 Ø.25	ECH-A	1478	1	600	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM ACCUM	Ø.25	ECH-A ECH-A	1276	1	600	1168	3		1
HD3Ø614	4 54 3.0 4 54 3.0		HRS HRS	ACCUM	Ø.25	ECH-A	1277 13 <b>0</b> 2	1 1	600	1168	3		1
HD3Ø614 HD3Ø614	4 54 3.0 4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1329	1	6ØØ 6ØØ	1168	3		1
HD30614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1327	1	600	1168 1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1328	i	6ØØ	1168	3		î
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1354	i	6ØØ	1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1356	1	800	1168	3		1
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1391	i	800	1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1392	i	600	1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1393	î	600	1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-B	2324	ī	600	1168	3		i
HD30614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-B	2326	ī	600	1168	3		i
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	13Ø1	5	48Ø	1065	2		ī
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1446	5	48Ø	1065	2	CON S	
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1328	5	480	1065	2	CON	
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1418	5	480	1065	2	CON	
HD3Ø614	4 54 3.0		HRS	ACCUM	Ø.25	ECH-A	1366	5	48Ø	1065	2	CON	
HD3Ø614	4 54 3.0	7.5 7.5 2.2	HRS	ACCUM	Ø.25	ECH-A	1279	5	48Ø	1065	2		ī
SK-67-18		-67 11 20	HSP/UV2	PRISM	1.0	F262M/F145M		1	1800	1095	1		2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Сy	Spec. Req.	Total Lines
Ø453-423	4 55 23.0	-42 16 17	F0C/288	IMAGE	512X512	F1ND F342W		1	300	1236	2		1
SU-AURIGAE	4 55 59.5	30 34 1	HRS	ACCUM	2.0	G27ØM	2800	1	8Ø	12Ø9	2		ī
SU-AURIGAE	4 55 59.5	3Ø 34 1	HRS	ACCUM	2.0	G2ØØM	1900	5	300	1209	2		1
SU-AURIGAE	4 55 59.5	30 34 1	HRS	ACCUM	2.0	G14ØL	1300	2	25Ø	1209	2		1
SU-AURIGAE	4 55 59.5	30 34 1	HRS	ACCUM	2.0	G14ØL	1550	2	25Ø	1209	2		1
SU-AURIGAE	4 55 59.5	3Ø 34 1	HRS	ACCUM	2.0	G27ØM	2325	2	25Ø	12Ø9	2		1
PKSØ454-22	4 56 8.9	-21 59 9	WFC	IMAGE	ANY	F128LP		1	1200	1026	Ø		1
PKSØ454-22	4 56 8.9	-21 59 9	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	24Ø	1026	Ø		1
PKSØ454-22	4 56 8.9	-21 59 9	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	3600	1026	Ø		1
PKSØ454-22	4 58 8.9	-21 59 9	FOS/RD	ACCÚM	Ø.5	G19ØH	1900	. 1	2400	1026	Ø		1
PKSØ454-22		-21 59 9	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	72Ø	1Ø26	Ø		1
PKSØ454-22	4 56 8.9	-21 59 9	FOS/BL	ACQ/BINA	4.3	MIRROR		1	6	1026	Ø	ACQ	1
PKSØ454-22	4 56 8.9	-21 59 9	FOS/RD	ACQ/BINA	4.3	MIRROR		1	6	1Ø26	Ø	ACQ	1
PKSØ454-22Ø		-21 59 9	HRS	ACCUM	2.0	G2ØØM	1974	1	5000	1191	2		2
PKSØ454-22Ø		-21 59 9	HRS	ACCUM	2.0	G2ØØM	1798	1	6200	1191	2		1
PKSØ454-22Ø	4 56 8.9		HRS	ACQ/PEAK	2.0	MIRROR-N2		1	5	1191	2		2
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F23ØW		1	3Ø	1105	3		1
IC391	4 57 22.0		WFC	IMAGE	ALL	F555W		1	3Ø	11Ø5	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F7Ø2W		1	3Ø	1105	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F23ØW		1	23Ø	1105	3		1
IC391	4 57 22.0		WFC	IMAGE	ALL	F23ØW		1	1200	1105	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F555W		1	23Ø	1105	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F555W		1	1400	1105	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F7Ø2W		1	230	1105	3		1
IC391	4 57 22.0		WFC	IMAGE	ALL	F7Ø2W		1	1400	1105	3		1
IC391	4 57 22.0	78 11 23	WFC	IMAGE	ALL	F785LP		1	3Ø	1105	3		1
IC391	4 57 22.0		WFC	IMAGE	ALL	F785LP		1	230	1105	3		1
IC391	4 57 22.0		WFC	IMAGE	ALL	F785LP		1	1400	1105	3		1
HDE268743	4 57 47.8		HSP/UV2	PRISM	1.0	F282M/F145M		1	1800	1095	1		2
Ø457+Ø24	4 59 52.1	2 29 32	F0C/288	IMAGE	512X512	F1ND F342W		1	300	1236	2		1
HDE27Ø952 HD31964		-65 52 46	HSP/UV2	PRISM	1.0	F262M/F145M	1270	1 2	1800	1095	1		2
HD31964	5 1 58.1 5 1 58.1	43 49 24	FOS/BL	ACCUM	1.0	G13ØH	1379		2700	1068	1	4.00	1
		43 49 24	FOS/BL	ACQ/PEAK		G13ØH	1379	1	5	1068	1	ACQ	1.
HD31964 HD32068	5 1 58.1 5 2 28.6	43 49 24 41 4 32	FOS/BL	ACQ/PEAK		G13ØH	1379	1 1	2 28ø	1068	1	ACQ	2
HD32Ø68	5 2 28.6 5 2 28.6	41 4 32 41 4 32	HRS HRS	ACCUM ACCUM	2.Ø 2.Ø	ECH-B18 ECH-B18	3Ø9Ø 3Ø75	1	28Ø	1181 1181	3		3 3
HD32Ø68	5 2 28.6	41 4 32	HRS	ACCUM	2.0	ECH-A44	1273	i	1500	1181			2
HD32Ø68	5 2 28.6	41 4 32	HRS	ACCUM	2.0	ECH-B19	3004	1	280	1181	_		3
HD32Ø68	5 2 28.6	41 4 32	HRS	ACCUM	2.0	ECH-B19	3023	i	280	1181			3
HD32Ø68	5 2 28.6	41 4 32	HRS	ACCUM	2.0	ECH-B21	2658	i	175	1181	_		2
HD32068	5 2 28.6	41 4 32	HRS	ACCUM	2.0	ECH-B21	2678	i	175	1181			2
3C133	5 2 58.5	25 16 25	F0C/96	IMAGE	512X512	F32ØW	2010	i	900	1228			1
3C133	5 2 58.5	25 16 25	F0C/96	IMAGE	512X512 512X512	F37ØLP		i	300	1228			1
3C133	5 2 58.5	25 16 25	F0C/48	IMAGE	512X512 512X512	F18ØLP		i	6ØØ	1228		CON	1
3C133	5 2 58.5	25 16 25	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228			i
HD323Ø1	5 3 5.8	21 35 24	HRS	ACCUM	2.0	G14ØL	1300	1	7Ø	1210			i
HD323Ø1	5 3 5.8	21 35 24	HRS	ACCUM	2.0	G14ØL	155Ø	1	6Ø	1210	-		i
NGC1818-BKGRD	5 4 11.8		WFC	IMAGE	ALL	F555W	1005	1	20	1113			i
NGC1818-BKGRD	5 4 11.8	-66 36 4Ø	WFC	IMAGE	ALL	F555W		i	200	1113			i
NGC1818-BKGRD	5 4 11.8		WFC	IMAGE	ALL	F555W		1	2200	1113			i
NGC1818-BKGRD	5 4 11.8		WFC	IMAGE	ALL	F785LP		1	200	1113			i
NGC1010-BKGRD	5 4 11.8		WFC	IMAGE	ALL	F785LP		i	200	1113			1
MACTOTO DIVAND	O 7 11.0	-00 30 70	## C	TWVGF				-	200	1113	3		

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID	Spe Cy. Re	
NGC1818-BKGRD	5 4 11.8	-66 36 40	WFC	IMAGE	ALL	F785LP		1	2200	1113	3	. 1
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F336W		1	3Ø	1113	Ø	ī
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F555W		1	3	1113	Ø	ī
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F555W		1	5Ø	1113	Ø	1
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F555W		1	1000	1113	Ø	1
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F336W		1	1200	1113	Ø	1
NGC1818	5 4 13.0	-66 26 1Ø	WFC	IMAGE	ALL	F785LP		1	3	1113	Ø	1
NGC1818	5 4 13.0	-66 26 10	WFC	IMAGE	ALL	F785LP		1	5Ø	1113	Ø	1
NGC1818		-66 26 10	WFC	IMAGE	ALL	F785LP		1	1000	1113	Ø	1
LMC-N97		-68 39 10	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2	1
LMC-WS7		-68 39 10	PC	IMAGE	ALL	F5Ø2N		1	15Ø	1046	Ø AC	
LMC-WS7		-68 39 1Ø	PC	IMAGE	ALL	F664N		1	150	1Ø46	Ø AC	Q 1
LMC-WS7		-68 39 10	F0S/BL	ACCUM	Ø.3	G16ØL		1	36Ø	1046	2	1
LMC-WS7	5 4 52.1		FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1046	2	1
LMC-WS7		-68 39 10	FOS/BL	ACCUM	1.0	G19ØH		1	36Ø	1046	2	1
LMC-WS7		-68 39 10	FOS/RD	ACCUM	Ø.3	PRISM		1	48Ø	1046	2	1
LMC-WS7	5 4 52.1		FOS/RD	ACCUM	1.0	G27ØH		1	36Ø	1046	2	1
LMC-WS7-OFFSET-STAR	5 4 52.1 5 5 30.6			ACQ/BINA		MIRROR	1005	1	1	1046	2 AC	•
G191-B2B	5 5 30.8 5 5 30.8		HRS HRS	ACCUM ACCUM	Ø.25	G16ØM	1335	1	45Ø	1214 1214	3	1
G191-B2B G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25 Ø.25	G16ØM G16ØM	1529 16ø8	1 1	45Ø 45Ø	1214	3 3	1
G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25 Ø.25	G16ØM	1400	1	450 27Ø	1173	ø	1
G191-B2B	5 5 3Ø.6		HRS	ACCUM	Ø.25	G16ØM	1240	1	210	1173	Ø	1
G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25	G16ØM	1175	i	420	1173	ø	i
G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25	G16ØM	1725	ī	36Ø	1173	ø	î
G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25	G16ØM	1206	ī	52Ø	1173	ø	ī
G191-B2B	5 5 30.6		HRS	ACCUM	Ø.25	G16ØM	1337	ī	120	1173	ø	i
G191-B2B	5 5 30.8	52 49 50	HRS	ACCUM	Ø.25	G16ØM	1557	1	420	1173	Ø	ī
G191-B2B	5 5 30.8	52 49 50	HRS	ACCUM	Ø.25	G16ØM	1264	1	18Ø	1173	Ø	1
HD32656	5 5 53.4	26 25 47	HRS	ACCUM	Ø.25	G14ØM	1650	1	66Ø	1200	2	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G2ØØM	1920	1	66Ø	1200	2	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G27ØM	2030	1	444	1200	3	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G27ØM	2070	1	552	1200	3	1
HD32656	5 5 53.4	28 25 47	HRS	ACCUM	Ø.25	G14ØM	1325	1	552	1200	Ø	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G27ØM	2185	1	66Ø	1200	2	- 1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G14ØM	1195	1	1314	1200	Ø	1
HD32656	5 5 53.4	26 25 47	HRS	ACCUM	Ø.25	G14ØM	1261	1	882	1200	Ø	1
HD32658	5 5 53.4		HRS	ACCUM	Ø.25	G14ØM	1286	1	768	1200	Ø	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G14ØM	1304	1	66Ø	1200	Ø	1
HD32656	5 5 53.4	26 25 47	HRS HRS	ACCUM	Ø.25	G14ØM	1384	1	768	1200	Ø	1
HD32656	5 5 53.4 5 5 53.4		HRS	ACCUM ACCUM	Ø.25 Ø.25	G14ØL	1478	1	12Ø 552	1200	2	1
HD32656			HRS	ACCUM		G14ØL	1114	1		1200	2	1
HD32656	5 5 53.4 5 5 53.4		HRS	ACCUM	Ø.25 Ø.25	G14ØL G14ØM	1298 1409	1 1	12Ø 768	1200 1200	2 2	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G140M	1431	i	660	1200	2	i
HD32656 HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G140M G140M	1536	1	882	1200	2	1
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G140M G140M	1556	1	99Ø	1200	2	i
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G2ØØM	1946	i	66Ø	1200	2	i
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G2ØØM	1788	ī	66Ø	1200	2	i
HD32656	5 5 53.4	28 25 47	HRS	ACCUM	Ø.25	G2ØØM	1812	ī	669	1200	2	i
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G2ØØM	1838	ī	444	1200	2	i
HD32656	5 5 53.4		HRS	ACCUM	Ø.25	G2ØØM	1866	ī	552	1200		î
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Target	R	A (2	900)	Dec	: (2Ø	ØØ)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G2ØØM	1892	1	552	1200	2		1
HD32656			5 53.4		25		HRS	ACCUM	Ø.25	G27ØM	2223	ī	552	1200	2		ī
HD32656		-	5 53.4		25		HRS	ACCUM	Ø.25	G27ØM	2258	ī	552	1200	2		ī
HD32656		-	5 53.4				HRS	ACCUM	Ø.25	G27ØM	2296	1	552	1200	2		ī
HD32656		-	5 53.4	-	25		HRS	ACCUM	Ø.25	G27ØM	2334	1	444	1200	2		ī
HD32656		_	5 53.4				HRS	ACCUM	Ø.25	G2ØØM	1972	1	768	1200	3		ī
HD32656			5 53.4			47	HRS	ACCUM	Ø.25	G27ØM	2147	1	36Ø	1200	3		ī
HD32656			5 53.4			47	HRS	ACCUM	Ø.25	G27ØM	2398	1	444	1200	3		ī
HD32656		5	5 53.4	4 26	25	47	HRS	ACCUM	Ø.25	G14ØM	1337	1	552	1200	Ø	,	1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G14ØM	1358	1	552	1200	Ø		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G14ØM	1217	1	2832	1200	Ø		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G14ØM	1236	1	1314	1200	Ø		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G27ØM	252Ø	1	227	1200	3		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G27ØM	29Ø8	1	227	1200	2		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G27ØM	2558	1	227	1200	2		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G27ØM	2592	1	227	1200	2		1
HD32656		5	5 53.4	1 26	25	47	HRS	ACCUM	Ø.25	G27ØM	27Ø2	1	227	1200	2		1
HD32656		-	5 53.4		25		HRS	ACCUM	Ø.25	G27ØM	2863	1	227	1200	2		1
HD32656		5	5 53.4	26	25	47	HRS	ACCUM	Ø.25	G27ØM	2463	1	227	1200	3		1
HD32656		5	5 53.4				HRS	ACCUM	Ø.25	G14ØM	1473	1	66Ø	1200	2		1
HD32656		-	5 53.4				HRS	ACCUM	Ø.25	G14ØM	1492	1	768	1200	2		1
HD32656		-	5 53.4				HRS	ACCUM	Ø.25	G2ØØM	1764	1	66Ø	1200	2		1
HD32656		_	5 53.4				HRS	ACCUM	Ø.25	ECH-A38	1474	1	882	1200	2		1
HD32656		-	5 53.4				HRS	ACCUM	Ø.25	ECH-B22	2585	1	882	1200	2		1
HD32656		-	5 53.4		25		HRS	ACCUM	Ø.25	G27ØM	2816	1	227	1200	2		1
LMC-WS8		-	8 9.4		45	27	PC	IMAGE	ALL	F5Ø2N		1	15Ø	1046	Ø	ACQ	1
LMC-WS8		-	8 9.4		45		PC	IMAGE	ALL	F664N		1	15Ø	1048	Ø	ACQ	1
LMC-WS8		-	8 9.4		45		FOS/BL	ACCUM	Ø.3	G16ØL		1	36Ø	1046	2		1
LMC-WS8		_	8 9.4		45		FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1046	2		1
LMC-WS8		-	6 9.4		45		FOS/BL	ACCUM	1.0	G19ØH		1	36Ø	1046	2		1
LMC-WS8		-	8 9.4		45		FOS/RD	ACCUM	Ø.3	PRISM		1	48Ø	1046	2		1
LMC-WS8		-	6 9.4		45		FOS/RD	ACCUM	1.0	G27ØH		1	36Ø	1046	2		1
LMC-WS8-OFFS		-	6 9.4				FOS/RD	ACQ/BINA		MIRROR		1	1	1046		ACQ	1
NGC18Ø8-NUC		-	7 43.8		30	52	F0C/288	IMAGE	512X512	F19ØM		1	900	1221	1		1
RW-AUR		_	7 49.1		24	6	F0C/98	IMAGE	512X512	F14ØM		1	600	1263	2		1
RW-AUR		-	7 49.1		24	8	F0C/96	IMAGE	512X512	F152M		1	600	1263	2		1
RW-AUR		_	7 49.1		24	6	F0C/96	IMAGE	512X512	F253M		1	800	1263	2		1
RW-AUR			7 49.1		24	6	F0C/98	IMAGE	512X512	F278M F346M		1	600	1263	2		1
RW-AUR		7 .	7 49.1		24	6	F0C/98	IMAGE IMAGE	512X512 512X512	F346M F4ND		1	300	1263			1
RW-AUR			7 49.1		_	· -	F0C/96	DCC	512X512 512X1Ø24-FØ.4			1	300	1263	2		1
HD33111			7 50.9			11	F0C/288	000	512X1024-F0.4 512X1024-F0.4			1	300	1275			1
HD33111		-	7 50.9	_		11	FOC/288	000	512X1024-F0.4 512X1024-F0.4			. 1	100	1275	2		1
HD33111		-	7 50.9	_		11	FOC/288	000	512X1024-F0.4 512X1024-F0.4			1	300	1275			1
HD33111		_	7 50.9			11 3Ø	F0C/288 PC	IMAGE	ALL	F5Ø2N		1	300	1275		4.00	1
LMC-WS9		-	8 2.2				PC	IMAGE	ALL	F664N		1	150	1046		ACQ	1
LMC-WS9 LMC-WS9			8 2.2 8 2.2				FOS/BL	ACCUM	Ø.3	G160L		1	150	1046		ACQ	1
LMC-WS9			8 2.2 8 2.2		40		FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1046			
LMC-WS9						3Ø	FOS/BL	ACCUM	1.0	G19ØH		1	360	1046			1
			8 2.2					ACCUM	Ø.3	PRISM		1	36Ø	1046			1
LMC-WS9 LMC-WS9			8 2.2			3Ø	FOS/RD FOS/RD	ACCUM	1.0	G27ØH		1	48Ø	1046			1
LMC-WS9-OFFS		-		2 -68			FOS/RD	ACQ/BINA		MIRROR		1	36ø	1046		A CO	1
上州し一市ンサーリアトン	E1-31MK	5	8 2.2	-00	, 40	30#	FUSTRU	VCG\DTIAN	7.0	WTI/L/OL/		1	1	1046	2	ACQ	7

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Tota Line	
LMC-N25	5 9 23.Ø	-67 47 19	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2		-	1
HD33793	5 10 3.0	-45 4 39	F0C/96	OCC	512X512-FØ.4	F37ØLP		1	1500	1274	2			1
HD339Ø4	5 12 55.8	-16 12 20	HRS	ACCUM	Ø.25	ECH-A	1362	1	155	1182	2			1
HD339Ø4	5 12 55.8	-16 12 20	HRS	ACCUM	Ø.25	ECH-B	1942	1	69	1182	2			1
HD33949	5 13 13.8	-12 56 30	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2			1
HD33949	5 13 13.8	-12 56 3Ø	F0C/288	OCC	512X1024-F0.4	F486N F8ND		1	100	1275	2			1
HD33949	5 13 13.8	-12 56 30	F0C/288	9CC	512X1Ø24-FØ.4			1	300	1275	2			1
HD33949		-12 56 30	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F555W		1	20	1113	3			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F555W		1	200	1113	3			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F555W		1	2200	1113	3			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F785LP		1	20	1113	3			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F785LP		1	200	1113	3			1
NGC1866-BKGRD		-65 39 52	WFC	IMAGE	ALL	F785LP		1	2200	1113	3			1
NGC1866		-65 27 52	WFC	IMAGE	ALL	F336W		1	3Ø 3	1113	2			1
NGC1868		-65 27 52	WFC WFC	IMAGE	ALL	F555W F555W		1	5Ø	1113 1113	2 2			1
NGC1866		-65 27 52 -65 27 52	WFC	IMAGE	ALL ALL	F555W		1	1000	1113	2			1
NGC1866 NGC1866		-65 27 52 -65 27 52	WFC	IMAGE IMAGE	ALL	F336W		1	1200	1113	2			1
NGC1868		-65 27 52 -65 27 52	WFC	IMAGE	ALL	F785LP		î	3	1113	2			i
NGC1866		-65 27 52 -65 27 52	WFC	IMAGE	ALL	F785LP		i	5Ø	1113	2			ī
NGC1866	5 13 38.3		WFC	IMAGE	ALL	F785LP		ī	1000	1113	2			ī
NGC1851		-40 2 50	PC	IMAGE	ALL	F555W	5479	ī	26	1007	ē			3
NGC1851		-40 2 50	PČ	IMAGE	ALL	F791W	8537	ī	26	1007	ø			2
NGC1851		-40 2 50	PC	IMAGE	ALL	F555W	5479	1	26	1007	1			3
NGC1851		-40 2 50	PC	IMAGE	ALL	F791W	8537	1	26	1007	1			2
NGC1851	5 14 6.3	-40 2 50	PC	IMAGE	ALL	F555W	5479	1	26	2944	Ø			3
NGC1851	5 14 6.3	-40 2 50	PC	IMAGE	ALL	F791W	8537	1	26	2944	Ø			2
NGC1851	5 14 6.3	-40 2 50	PC	IMAGE	ALL	F555W	5479	1	26	2946	1			3
NGC1851	5 14 6.3	-40 2 50	PC .	IMAGE	ALL	F791W	8537	1	26	2946	1			2
NGC1851		-4Ø 2 37	PC ·	IMAGE	ALL	F439W	4385	1	500	1053	2	ACQ		1
NGC1851		-4Ø 2 37	PC	IMAGE	ALL	F284W	2841	1	500	1053	2	ACQ		1
NGC1851		-40 2 37	PC	IMAGE	ALL	F336W	3363	1	500	1053	2	ACQ		1
NGC1851		-40 2 37	PC	IMAGE	ALL	F656N	6599	1	500	1053	2	ACQ		1
NGC1851-OFFSET		-40 2 37	FOS/RD	ACQ/BINA		MIRROR		1	1	1053	2	ACQ	CUN	1
NGC1851-STAR			FOS/RD	ACCUM	Ø.3	PRISM		1	500	1053	2	CON		1
NGC1851-STAR			FOS/RD	ACCUM	Ø.3	PRISM		1.	1000 3500	1053	2 2	CON		1
NGC1851-STAR			FOS/RD	ACCUM	Ø.3 All	G57ØH F547M		i	100	1Ø53 1Ø52	ø	CON ACQ		1
NGC1851 NGC1851		-4Ø 2 48 -4Ø 2 48	PC PC	IMAGE IMAGE	ALL	F23ØW		i	250	1052	ø	ACQ		i
NGC1851 NGC1851		-40 2 48 -40 2 48	PC	IMAGE	ALL	F336W		1	130	1052	ø	ACQ		i
NGC1851-OFFSET-STAR	5 14 6.7		FOS/BL	ACQ/BINA		MIRROR		ī	5	1052	1	ACQ	CON	ī
NGC1851-STAR1	5 14 6.7		FOS/BL	IMAGE	4.3	PRISM		ī	400	1052	ī	CON		î
NGC1851-STAR1			FOS/BL	ACCUM	0.3	G16ØL		ī	1300	1052	ī	CON		ī
NGC1851-STAR2	5 14 6.7		FOS/BL	IMAGE	4.3	PRISM		ī	400	1052	ī	CON		ī
NGC1851-STAR2		-40 2 48+		ACCUM	Ø.3	G16ØL		ĩ	1300	1052	ī	CON		ī
NGC1851		-40 2 42	PC	IMAGE	ALL	F555W		1	23	1019	ø			1
NGC1851		-40 2 42	PC	IMAGE	ALL	F785LP		1	23	1019	Ø			1
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/288	IMAGE	512X512	F152M	1500	1	500	1227	Ø			1
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/288	IMAGE	512X512	F152M	1500	1	600	1227	1			1
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/288	IMAGE	512X512	F130M	127Ø	1	500	1227	Ø			1
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/288	IMAGE	512X512	F278M	278Ø	1	400	1227	Ø			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		pec. Req.	Total Lines
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/288	IMAGE	512X512	F13ØM	127Ø	1	600	1227	1		1
AKN12Ø	5 16 11.4		F0C/288	IMAGE	512X512	F19ØM	1975	î	600	1227	2		2
AKN12Ø	5 16 11.4		F0C/288	IMAGE	512X512	F5Ø1N	5010	ī	400	1227	ē		ī
AKN12Ø	5 16 11.4		F0C/288	IMAGE	512X512	F55ØM	547Ø	ī	400	1227	ø		ī
AKN12Ø	5 16 11.4		F0C/288	IMAGE	512X512	F5Ø1N	5010	ī	500	1227	1		ī
AKN12Ø	5 16 11.4		F0C/288	IMAGE	512X512	F55ØM	547Ø	1	500	1227	1		ī
AKN12Ø	5 16 11.4		F0C/48	SPEC	256X1Ø24-SLIT			ī	700	1227	2		1
AKN12Ø	5 16 11.4	-Ø 8 59	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	500	1227	2		1
AKN12Ø	5 16 11.4	-Ø 9 Ø	HRS	ACCUM	2.0	G16ØM	154Ø	3	300	1165	2		1
AKN12Ø	5 16 11.4	-Ø 9 Ø	HRS	ACCUM	2.0	G16ØM	125Ø	4	300	1165	2		1
AKN12Ø	5 16 11.4	-Ø 9 Ø	HRS	ACCUM	2.0	G27ØM	259Ø	1	240	1165	2		1
AKN12Ø	5 16 11.4	-Ø 9 Ø	HRS	ACCUM	2.0	G27ØM	28ØØ	1	24Ø	1165	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G2ØØM	199ø	1	3ØØ	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G14ØL	1590	1	1740	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	2910	1	180	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	295Ø	1	18Ø	1170	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	299ø	1	18Ø	1170	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G14ØL	1315	1	138Ø	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G2ØØM	1916	1	300	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G2ØØM	1954	1	300	117Ø	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G2ØØM	2028	1	300	1170	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	2794	1	120	1170	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	2834	1	120	1170	2		1
AKN12Ø	5 16 11.5		HRS	ACCUM	2.0	G27ØM	2874	1	120	1170	2		1
HD34Ø29	5 16 41.2		HRS	ACCUM	Ø.25	ECH-B2Ø	2800	1	176	1175	2		2
HD34Ø29	5 16 41.2		HRS	ACCUM	Ø.25	ECH-B22	2600	1	352	1175	2		2
HD34Ø29	5 16 41.2		HRS HRS	ACCUM	Ø.25	ECH-A46	1213	1	98Ø	1175	2		2
HD34Ø29	5 16 41.4 5 16 41.4		HRS	ACCUM RAPID	SC2 2.Ø	G16ØM	1360	1 1	10	1159 1159	1 1	CAL	1 1
HD34Ø29 HD34Ø29	5 16 41.4		HRS	ACCUM	2.0	G16ØM G2ØØM	136Ø 19ØØ	1	1643 200	1176	2		2
HD34029	5 16 41.6		HRS	ACCUM	2.0	G200M	175Ø	1	200	1176	2		2
HD34029	5 16 41.6		HRS	ACCUM	2.0	G16ØM	155ø	1	130	1176	2		2
HD34Ø29	5 16 41.6		HRS	ACCUM	2.0	G14ØL	1304	î	20	1176	2		2
HD34Ø29	5 16 41.6		HRS	ACCUM	2.0	G14ØL	1574	i	2Ø	1176	2		2
HD34Ø29	5 16 41.6		HRS	ACCUM	2.0	G16ØM	1402	ī	27Ø	1176	2		2
LMC-J18		-69 39 14	F0C/48	SPEC	256X1Ø24-SLIT		1.02	ī	1000	1266	2		ī
HD3448Ø-CALIB	5 17 43.8		F0C/288	IMAGE	512X512	F19ØM F4ND	1975	ī	300	1227	2	CAL	ī
LMC-J2Ø		-69 10 13	F0C/48	SPEC	256X1Ø24-SLIT		20.0	ī	1000	1266	2		1
LMC-J23		-69 34 56	F0C/48	SPEC	256X1Ø24-SLIT			ī	1000	1266	2		1
PICTORA	5 19 26.3	-45 45 54	PC	IMAGE	ALL	F6Ø6W POLØ		1	48Ø	1058	Ø		1
PICTORA	5 19 26.3	-45 45 54	PC	IMAGE	ALL	F6Ø6W POL6Ø		1	48Ø	1058	Ø		1
PICTORA	5 19 26.3	-45 45 54	PC	IMAGE	ALL	F6Ø6W POL12Ø		1	48Ø	1058	Ø		1
PICTORA	5 19 26.3	-45 45 54	F0C/96	IMAGE	512X512	F43ØW POLØ		1	480	1058	2		1
PICTORA	5 19 26.3	-45 45 54	F0C/96	IMAGE	512X512	F43ØW POL6Ø		1	48Ø	1058	2		1
PICTORA	5 19 26.3	-45 45 54	F0C/96	IMAGE	512X512	F430W P0L120		1	48Ø	1Ø58	2		1
Ø519-69.Ø	5 19 33.8	-69 2 1Ø	WFC	IMAGE	ALL	F517N		1	200	1048	2	ACQ	1
Ø519-69.Ø	5 19 33.8	-69 2 10	WFC	IMAGE	ALL	F656N		1	900	1048		ACQ	1
Ø519-69.ØP1	5 19 33.8	<b>-69 2 1∅+</b>	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	1200	1048	3	-	1
Ø519-69.ØP1	5 19 33.8		FOS/BL	ACCUM	1.Ø-PAIR	G19ØH		1	75Ø	1048	3		1
Ø519-69.ØP1	5 19 33.8		FOS/RD	ACCUM	1.Ø-PAIR	G27ØH		1	45Ø	1048	3		1
Ø519-69.ØP1	5 19 33.8		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH		1	45Ø	1048			1
Ø519-69.ØP1	5 19 33.8	-69 2 1Ø <b>∗</b>	FOS/RD	ACCUM	1.Ø-PAIR	G57ØH		1	450	1048	3		1

Target	RA (2000)	Dec (2000)	Inst. (Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines	
STAR2-OFFSET	5 19 33.8	-69 2 10*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1048	3	ACQ	1	
PICTOR-A		-45 46 47	F0C/96	IMAGE	512X512	F32ØW		ī	900	1228	ĭ		ī	
PICTOR-A		-45 46 47	F0C/96	IMAGE	512X512	F13ØM		1	900	1228	2		ĩ	
PICTOR-A		-45 46 47	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2		ī	
PICTOR-A		-45 46 47	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1	
PICTOR-A		-45 48 47	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	
LMC-J28		-69 26 Ø	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2		1	
LMC-J3Ø	5 20 28.7	-69 22 51	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2		1	
LMC-A	5 20 30.7	-69 36 56	F0C/96	IMAGE	512X512	F346M	348Ø	1	1800	1258	2		1	
LMC-A	5 20 30.7	-69 36 56	F0C/96	IMAGE	512X512	F410M	4100	1	1800	1258	2		1	
LMC-A	5 20 30.7	-69 36 56	F0C/98	IMAGE	512X512	F47ØM	4725	1	1800	1258	2		1	
LMC-A	5 20 30.7	-69 36 56	F0C/98	IMAGE	512X512	F55ØM	547Ø	2	1800	1258	2		1	
LMC-D	5 20 30.7	-69 36 56*	F0C/96	IMAGE	512X512	F346M	348Ø	1	1800	1258	2		1	
LMC-D	5 20 30.7	-69 36 56*	F0C/98	IMAGE	512X512	F41ØM	4100	1	1800	1258	2		1	
LMC-D	5 20 30.7	-69 36 56*	F0C/96	IMAGE	512X512	F47ØM	4725	1	1800	1258	2		1	
LMC-D	5 20 30.7	-69 36 56*	F0C/98	IMAGE	512X512	F55ØM	547Ø	2	1800	1258	2		1	
LMC-B	5 20 30.8	-69 36 56*	F0C/96	IMAGE	512X512	F346M	348Ø	1	1800	1258	2		1	
LMC-B	5 20 30.8	-69 36 56*	F0C/98	IMAGE	512X512	F41ØM	4100	1	1800	1258	2		1	
LMC-B	5 20 30.8	-69 36 56*	F0C/96	IMAGE	512X512	F47ØM	4725	1	1800	1258	2		1	
LMC-B	5 20 30.8	-69 36 56*	F0C/98	IMAGE	512X512	F55ØM	547Ø	2	1800	1258	2		1	
LMC-C	5 20 30.8		F0C/96	IMAGE	512X512	F346M	348Ø	1	1800	1258	2		1	
LMC-C	5 20 30.8		• .	IMAGE	512X512	F410M	4100	1	1800	1258	2		1	
LMC-C	5 20 30.8		▼.	IMAGE	512X512	F47ØM	4725	1	1800	1258	2		1	
LMC-C	5 20 30.8			IMAGE	512X512	F55ØM	547Ø	2	1800	1258	2		1	
3C138	5 21 9.9	16 38 21	F0C/96	IMAGE	512X512	F21ØM		1	900	1228	1		1	
3C138	5 21 9.9	16 38 21	F0C/96	IMAGE	512X512	F37ØLP		1	600	1228	1		1	
3C138	5 21 9.9	16 38 21	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1	
3C138	5 21 9.9	16 38 21	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1	
HD33564	5 22 33.5	79 13 52	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1	
HD33564	5 22 33.5	79 13 52	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1	
HD33564	5 22 33.5	79 13 52	F0C/288	000	512X1Ø24-FØ.4			1	300	1275	2		1	
HD33564	5 22 33.5		F0C/288	000	512X1Ø24-FØ.4			1	300	1275	2		1	
LMC-N199		-71 19 40	F0C/48	SPEC	256X1Ø24-SLIT		0000	1	1000	1266	2		1	
PKSØ521-36	5 22 57.9		F0C/96	IMAGE	256X256	F22ØW	2200	1	300	1226	1		1	
PKSØ521-36		-36 27 32	F0C/96	IMAGE	128X128	F55ØM	547Ø	1	300	1226	1		1	
PKSØ521-36		-36 27 32	F0C/98	IMAGE	512X1Ø24	F22ØW	2200	1	1000	1226	1		1	
PKSØ521-36	5 22 57.9		F0C/96	IMAGE	512X1Ø24	F55ØM	547Ø	1	950	1226	1	4.00	1	
LMC-WS24		-73 38 25	PC PC	IMAGE	ALL ALL	F5Ø2N F664N		1	150	1046	ø	ACQ	1	
LMC-WS24		-73 38 25	PC FOC (B)	IMAGE	Ø.3	G16ØL		1	150	1046	Ø	ACQ	1	
LMC-WS24		-73 38 25	FOS/BL	ACCUM		G13ØH		1	360	1046	2		1	
LMC-WS24		-73 38 25	FOS/BL	ACCUM	1.Ø 1.Ø	G19ØH		1	360	1046	2		1	
LMC-WS24		-73 38 25	FOS/BL	ACCUM		PRISM		1	360	1046	2		1	
LMC-WS24		-73 38 25	FOS/RD	ACCUM	Ø.3			1	480	1046	2		1	
LMC-WS24	5 24 2.3		FOS/RD	ACCUM ACCURTNA	1.0	G27ØH MIRROR		1	36Ø	1048	2	400	1	
LMC-WS24-OFFSET-STAR			FOS/RD	ACQ/BINA		G27ØM	2497	1	1	1046	2	ACQ	1	
HD35296	5 24 25.4		HRS	ACCUM	Ø.25 512X512	G278M F486N	2491	2	420	1084	3	CON S		
LMC-N2Ø1		-71 32 58	F0C/96	IMAGE IMAGE	512X512 512X512	F501N		1	1000	1266	1		1	
LMC-N2Ø1		-71 32 58	F0C/98		256X1Ø24-SLIT			1	1000	1266	1		1	
LMC-N2Ø1		-71 32 58	F0C/48	SPEC IMAGE	256X1624-2F11	F157W		1		1266	2		1	
IC418		-12 44 15	PC PC	IMAGE	ALL	F194W		1 1	12Ø 12Ø	1212			1	
IC418	_	-12 44 15	PC	IMAGE	ALL	F517N		1		1212			1 1	
IC418	5 25 9.5	-12 44 15	1.0	TWYAE	n-L	1 21/14		•	12Ø	1212	2		1	

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
IC418	5 25 9.5	-12 44 15	HRS	ACCUM	2.0	G14ØL	1420	1	56	1212	2		1
IC418		-12 44 15	HRS	ACCUM	2.0	G14ØL	125ø	1	28	1212	2		ī
IC418		-12 44 15	HRS	ACCUM	2.0	G14ØL	167Ø	1	169	1212	2		ī
GBSØ526-66	5 25 59.7		HSP/UV1	SINGLE	1.0	F14ØLP		1 36	3ØØØ	1104	2		ī
LMC-N49		-66 4 39	WFC	IMAGE	ALL	F336W			200	1098	1		ĩ
LMC-N49		-66 4 39	WFC	IMAGE	ALL	F7Ø2W			200	1098	1	ACQ	ī
LMC-N49	5 26 Ø.6	-66 4 39	HSP/VIS	SINGLE	0.4	F16ØLP			200	1098	1	CON	- 2
LMC-N49		-66 4 39	FOS/RD	ACCUM	Ø.3	G65ØL	6000		800	1098	1	CON	ī
N49	5 26 1.6	-66 5 4	WFC	IMAGE	ALL	F656N		ī	500	1048	ø	ACQ	ī
N49	5 26 1.6	-66 5 4	WFC	IMAGE	ALL	F517N		ī	15Ø	1048	Ø	ACQ	ĩ
N49-P1			FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		ī	800	1Ø48	1		ī
N49-P1	5 26 1.6	-66 5 4*		ACCUM	1.Ø-PAIR	G19ØH		ī	500	1048	1		ī
N49-P1	5 26 1.6	-66 5 4*		ACCUM	1.Ø-PAIR	G27ØH		ī	300	1048	ī		ī
N49-P1	5 26 1.6		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH		ī	300	1048	ī		ĩ
N49-P1	5 26 1.6			ACCUM	1.Ø-PAIR	G57ØH		ī	300	1048	1		ī
STAR1-OFFSET	5 26 1.6	-66 5 4*		ACQ/BINA		MIRROR		ī	11	1048	ī	ACQ	ī
HD364Ø2	,	-67 30 2	HRS	ACCUM	2.0	G16ØM	1540	1	240	1166	2		ī
HD364Ø2		-67 3Ø 2	HRS	ACCUM	2.0	G16ØM	166Ø	1	240	1166	2		ī
HD364Ø2	5 26 3.0	-67 3Ø 2	HRS	ACCUM	2.0	G16ØM	1810	ī	18Ø	1166	2		ī
HD364Ø2	5 28 3.0	-67 30 2	HRS	ACCUM	2.0	G16ØM	1860	ī	18Ø	1166	2		ī
HD364Ø2	5 26 3.0		HRS	ACCUM	2.0	G27ØM	236Ø	1	18Ø	1166	2		ī
HD364Ø2		-67 30 2	HRS	ACCUM	2.0	G27ØM	2590	ī	18Ø	1166	2		ī
HD364Ø2		-67 3Ø 2	HRS	ACCUM	2.0	G27ØM	2800	1	120	1166	2		ī
HD364Ø2		-67 3Ø 2	HRS	ACCUM	2.0	G27ØM	285Ø	ī	120	1166	2		ī
HD364Ø2		-67 3Ø 2	HRS	ACCUM	2.0	G16ØM	1160	2	24Ø	1166	2		ī
HD364Ø2	5 26 3.0	-67 30 2	HRS	ACCUM	2.0	ECH-B	2325	3	3ØØ	1166	2		1
HD364Ø2	5 26 3.0	-67 3Ø 2	HRS	ACCUM	2.0	G27ØM	2045	1	18Ø	1166	2		1
HD364Ø2	5 26 3.Ø	-67 3Ø 2	HRS	ACCUM	2.0	ECH-A	1402	4	300	1166	2		1
HD364Ø2	5 26 3.Ø	-67 30 2	HRS	ACCUM	2.0	ECH-A	1353	4	300	1166	2		1
HD364Ø2	5 26 3.Ø	-67 30 2	HRS	ACCUM	2.0	ECH-A	1549	4	300	1166	2		1
HD364Ø2	5 26 3.0	<b>-67 30 2</b>	HRS	ACCUM	2.0	ECH-A	1241	5	300	1166	2		1
HD364Ø2	5 26 3.Ø	-67 30 2	HRS	WSCAN	2.0	G16ØM	1292	1 2	216Ø	1166	2		1
HDE269546	5 26 45.1	-68 49 55	HSP/UV2	PRISM	1.0	F262M/F145M		1 1	1800	1095	1		2
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F555W		1	20	1113	Ø		1
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F555W		1	200	1113	Ø		1
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F555W		1 2	2200	1113	Ø		1
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F785LP		1	2Ø	1113	Ø		1
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F785LP		1	200	1113	Ø		1
NGC1978	5 28 45.7	-66 14 7	WFC	IMAGE	ALL	F785LP		1 2	2200	1113	Ø		1
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2	F55ØW		1	52	1000	Ø		8
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2	F55ØW		1	52	1000	1		2Ø
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2	F55Ø\		1	52	1000	2		20
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2 .	F55ØW		1	52	2934	Ø		8
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2	F55ØW		1	52	2934	1		2Ø
TV-COL	5 29 25.Ø	-32 49 4	FGS	POS	2	F55ØW		1	52	2934	2		2Ø
TV-COL	5 29 25.Ø		FGS	TRANS	ANY	F583 <b>W</b>		1	100	1000	Ø		1
TV-COL	5 29 25.Ø	-32 49 4	FGS	TRANS	ANY	F583W		1	100	2934	Ø		1
TV-COL	5 29 25.5	-32 49 3	HSP/UV1	PRISM	1.0	F248M/F135W		1 19	98ØØ	1090	1		1
LMC-BAR-60MIN-SE	5 30 22.7	-7Ø Ø 56	WFC	IMAGE	ALL	F555W		1	20	1113	3		1
LMC-BAR-60MIN-SE	5 30 22.7	-7Ø Ø 56	WFC	IMAGE	ALL	F555W		1	200	1113	3		1
LMC-BAR-6ØMIN-SE	5 30 22.7	-7Ø Ø 56	WFC	IMAGE	ALL	* F555W		1 :	2200	1113	3		1
LMC-BAR-6ØMIN-SE	5 30 22.7	-7Ø Ø 56	WFC	IMAGE	ALL	F785LP		1	2Ø	1113	3		1

Target	RA (2000)	Inst Dec(2000) Conf		Aperture	Spectral Element	Central Wave.	No. Ex Exp. Ti		_		Total Lines
LMC-BAR-6ØMIN-SE	5 30 22.7	7 -7Ø Ø 56 WFC	IMAGE	ALL	F785LP		1 20	ø 1113	3		1
LMC-BAR-6ØMIN-SE		7 -7Ø Ø 58 WFC	IMAGE	ALL	F785LP		1 220	-			ī
NGC1978-BKGRD	5 30 34.5	5 -66 13 15* WFC	IMAGE	ALL	F555W		1 2	Ø 1113	3		1
NGC1978-BKGRD	5 30 34.5	-66 13 15+ WFC	IMAGE	ALL	F555W		1 20	Ø 1113	3		1
NGC1978-BKGRD	5 30 34.5	5 -66 13 15* WFC	IMAGE	ALL	F555W		1 220	Ø 1113	3		1
NGC1978-BKGRD	5 30 34.5	5 -66 13 15* WFC	IMAGE	ALL	F785LP		1 2	Ø 1113	3		1
NGC1978-BKGRD	5 30 34.5	5 -66 13 15∗ WFC	IMAGE	ALL	F785LP		1 20	Ø 1113	3		1
NGC1978-BKGRD	5 30 34.5	5 -66 13 15* WFC	IMAGE	ALL	F785LP		1 220	Ø 1113	3		1
HDE2697ØØ	5 31 52.9	9 -68 32 35 HSP/	V2 PRISM	1.0	F262M/F145M		1 180	Ø 1Ø95	1		2
HD36486	5 32 Ø.4	-Ø 17 57 HRS	ACCUM	Ø.25	ECH-A	136Ø	4 90	Ø 1Ø69	3	CON SE	L 1
HD36486	5 32 Ø.4	Ø 17 57 HRS	WSCAN	Ø.25	ECH-A	124Ø	1 2	9 1071	1		1
HD36486	5 32 Ø.4	-Ø 17 57 HRS	WSCAN	Ø.25	ECH-A	153Ø	1 5	4 1071	1		1
HD36486	5 32 Ø.4	I −Ø 17 57 HRS	₩SCAN	Ø.25	ECH-B	237Ø	1 1	3 1071	1		1
HD36486	5 32 Ø.4	-Ø 17 57 HRS	WSCAN	Ø.25	ECH-A	1334	1 2	9 1071	1		1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1392	1 5				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1252	1 2				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1303	1 2	1 1071			1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1358	1 5				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1558	1 5				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-A	1547	1 6				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-B	1826	1 2				1
HD36486	5 32 Ø.4	· · · · · · · · · · · · · · · · · · ·	WSCAN	Ø.25	ECH-A	1191	1 1				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-B	18Ø5	1 2				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-B	2024	1 1				1
HD36486	5 32 Ø.4		WSCAN	Ø.25	ECH-B	26Ø2	1 2		_		1
LMC-X-4	5 32 49.3			1.0	F135W		1 200				1
LMC-X-4	5 32 49.3		ACCUM	Ø.25	G14ØL	152Ø	_. 1 36		_		4
LMC-WS33		2 -68 58 25 PC	IMAGE	ALL	F5Ø2N		1 15			ACQ	1
LMC-WS33		2 -68 58 25 PC	IMAGE	ALL	F664N		1 15			ACQ	1
LMC-WS33		2 -68 58 25 FOS/I		Ø.3	G16ØL		1 36		_		1
LMC-WS33		2 -68 58 25 FOS/I		1.0	G13ØH		1 36				1
LMC-WS33		2 -68 58 25 FOS/I		1.0	G19ØH		1 36		-		1
LMC-WS33		2 -68 58 25 FOS/I		0.3	PRISM		1 48				1
LMC-WS33	5 34 21.2			1.0	G27ØH		1 36			100	1
LMC-WS33-OFFSET-STAR	5 34 21.2				MIRROR	0714	1	1 1046		ACQ	1
CRAB-NEBULA	5 34 30.1		_	512X512	F372M	3710	1 180		-		1
CRAB-NEBULA	5 34 30.1			512X512	F5Ø1N	487Ø	1 180			COM	1
CRAB-NEBULA	5 34 30.1			256X1Ø24-SLIT 256X1Ø24-SLIT		1500	1 360			CON	1
CRAB-NEBULA	5 34 30.1 5 34 30.1			512X512-ASLIT		4500 3920	1 360 1 30			ACQ CO	N 1
CRAB-NEBULA	5 34 30.1 5 34 31.9			0.4	F551W	3920	1 30 1 60			ACQ CO	8
PSRØ531+21				Ø.4 Ø.4	F135W		1 120				1
PSRØ531+21	5 34 31.9 5 34 31.9			Ø.4 Ø.4	F152M		1 120		-		1
PSRØ531+21	5 34 31.9			Ø.4	F179M		1 120				i
PSRØ531+21 PSRØ531+21	5 34 31.9			Ø.4	F218M		1 120				i
PSRØ531+21 PSRØ531+21	5 34 31.9			Ø.4 Ø.4	F248M		1 120				1
	5 34 31.9			Ø.4	F284M		1 120				1
PSRØ531+21 PSRØ531+21	5 34 31.9			10.0	F14ØLP			Ø 1101		ACQ	5
PSRØ531+21 PSRØ531+21	5 34 31.9			10.0	F16ØLP			Ø 1101		ACQ	8
PSRØ531+21 PSRØ531+21	5 34 31.9			10.0	F14ØLP		-	1 1101		ACQ	Ă
NGC1952	5 34 31.9		IMAGE	ALL	F336W		_	Ø 1138		,10 <b>4</b>	1
NGC1952 NGC1952	5 34 31.9		IMAGE	ALL	F336W		1 48		_		i
14001207	0 07 01.3		TWAGE	7	1 33011		1 46	- 1130	, ,		-

## Fixed Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp Exp. Tir		Sp. Cy. R	ec. Total eq. Lines
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F336W		1 2006	1138	3	1
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F648M		1 2000			1
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F547M		1 1200		-	i
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL,	F648M		1 1200			i
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F547M		1 1200		2	î
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F785LP		1 69	1138	3	ī
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F785LP		1 400	1138	3	ī
NGC1952	5 34 31.9	22 Ø 52	PC	IMAGE	ALL	F785LP		1 2000	1138	3	ĩ
CRAB-PULSAR CRAB-PULSAR	5 34 32.0	22 Ø 52	FOS/BL	ACCUM	Ø.5	G13ØH		1 1000	1054	2	1
CRAB-PULSAR	5 34 32.0	22 Ø 52	FOS/BL	ACCUM	Ø.5	G19ØH		1 1000		2	1
CRAB-PULSAR	5 34 32.0	22 Ø 52	FOS/BL	ACCUM	Ø.5	G27ØH		1 1000		2	1
CRAB-PULSAR	5 34 32.Ø 5 34 32.Ø	22 Ø 52 22 Ø 52	FOS/BL	ACCUM	Ø.5	PRISM		1 1000		2	1
CRAB-PULSAR	5 34 32.0	22 Ø 52 22 Ø 52	FOS/BL FOS/BL	ACCUM	Ø.5	G16ØL		1 1920		2	2
CRAB-NEBULA	5 34 32.2	22 Ø 52 22 Ø 52	FOC/98	ACQ/BINA IMAGE	512X512	MIRROR		1 0	,		CQ 1
CRAB-NEBULA	5 34 32.2	22 Ø 52	FOC/98	IMAGE	512X512 512X512	F372M F342W POLØ		1 3600		2	1
CRAB-NEBULA	5 34 32.2	22 Ø 52	F0C/98	IMAGE	512X512 512X512	F342W POLØ		1 1260		1	1
CRAB-NEBULA	5 34 32.2	22 Ø 52	FOC/98	IMAGE	512X512	F342W POL6Ø		1 2400		2	1
CRAB-NEBULA	5 34 32.2	22 Ø 52	F0C/98	IMAGE	512X512	F342W P0L6Ø		1 1260 1 2400		1	1
CRAB-NEBULA	5 34 32.2	22 Ø 52	F0C/96	IMAGE	512X512	F342W P0L12Ø		1 2400 1 1280		2	1
CRAB-NEBULA	5 34 32.2	22 Ø 52	F0C/96	IMAGE	512X512	F342W P0L12Ø		1 2400		1	1
NGC1976-3	5 35 8.0	-5 24 56	WFC	IMAGE	ALL	F631N		1 900		2	1
NGC1976-3	5 35 8.Ø	-5 24 56	WFC	IMAGE	ALL	F5Ø2N		1 480	1075	1 Ø	1
NGC1976-3	5 35 8.0	-5 24 58	WFC	IMAGE	ALL	F656N		1 360	1075	1	1
NGC1978-4	5 35 8.1	-5 22 44	WFC	IMAGE	ALL	F631N		1 900		i	1
NGC1976-4	5 35 8.1	-5 22 44	WFC	IMAGE	ALL	F5Ø2N		1 480	1075	ø	i
NGC1976-4	5 35 8.1	-5 22 44	WFC	IMAGE	ALL	F656N		1 360	1075	ĭ	î
HD36861	5 35 8.3	9 56 3	HRS	ACCUM	Ø.25	ECH-A	126Ø	1 120	1168	3	î
HD36861	5 35 8.3	9 56 3	HRS	ACCUM	Ø.25	ECH-A	1275	1 120	1168	3	ī
HD36861	5 35 8.3	9 56 3	HRS	ACCUM	Ø.25	ECH-A	1355	1 120	1168	3	ī
HD36861	5 35 8.3	9 56 3	HRS	ACCUM	Ø.25	ECH-B	2325	1 120	1168	3	ī
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1476	1 120	1168	3	1
HD36861 HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1477	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1478	1 120	1168	3	1
HD36861	5 35 8.3 5 35 8.3	9 56 3	HRS	ACCUM	Ø.25	ECH-A	1276	1 120		3	1
HD36861	5 35 8.3		HRS HRS	ACCUM	Ø.25 Ø.25	ECH-A	1277	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1302	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A ECH-A	1329	1 120		3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1327	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1328	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1354 1358	1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1391	1 120 1 120		3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1392	1 120 1 120	1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-A	1393	1 120	1168 1168	3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-B	2324	1 120	1168	3 3	1
HD36861	5 35 8.3		HRS	ACCUM	Ø.25	ECH-B	2326	1 120	1168	3 3	1 1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1240	1 79	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1252	1 64		2	1
HD36861	5 35 8.3		HRS	WSCAN	Ø.25	ECH-A	1530	1 144	1071	2	i
HD36861	5 35 8.3		HRS	WSCAN	Ø.25	ECH-B	237ø	1 36	1071	2	i
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1303	1 57		2	i
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1334	1	79	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1356	1	136	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1392	1	158	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1558	1	136	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-A	1191	1	43	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	64	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-B	1826	1	72	1071	2	1
HD36861	5 35 8.3		HRS	WSCAN	Ø.25	ECH-B	2024	1	43	1071	2	1
HD36861	5 35 8.3	9 56 3	HRS	WSCAN	Ø.25	ECH-B	2324	1	57	1071	2	1
HD36861	5 35 8.3		HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	57	1071	2	1
HD36861	5 35 8.3		HRS	WSCAN	Ø.25	ECH-A	1547	1	165	1071	2	1
M42HH	5 35 11.5		WFC	IMAGE	ALL	F7Ø2W		1	100	1121	3	1
M42HH	5 35 11.5		WFC	IMAGE	ALL	F7Ø2W		1	100	1121	3 ACQ	1
M42HH	5 35 11.5		WFC	IMAGE	ALL	F673N		2	400	1121	3	2
NGC1978-2	5 35 16.8		WFC	IMAGE	ALL	F631N		1	900	1075	1	1
NGC1978-2	5 35 16.8		WFC	IMAGE	ALL	F5Ø2N		1	48Ø	1075	Ø	1
NGC1976-2	5 35 16.8		WFC	IMAGE	ALL	F656N		1	36Ø	1075	1	1
NGC1976-5	5 35 16.9		WFC	IMAGE	ALL	F631N		1	900	1075	1	1
NGC1976-5	5 35 16.9		WFC	IMAGE	ALL	F5Ø2N		1	48Ø	1075	Ø	1
NGC1976-5	5 35 16.9		WFC	IMAGE	ALL	F656N		1	36Ø 9ØØ	1075	1	1
NGC1976-1	5 35 25.6		WFC	IMAGE	ALL	F631N		1 1	48Ø	1075 1075	1 1	1 1
NGC1976-1	5 35 25.6		WFC	IMAGE	ALL	F5Ø2N		1	36Ø	1075	i	1
NGC1976-1	5 35 25.6 5 35 25.7		WFC WFC	IMAGE IMAGE	ALL ALL	F656N F5Ø2N		1	96Ø	1075	i	1
NGC1978-8	5 35 25.7 5 35 25.7		WFC	IMAGE	ALL	F631N		i	1500	1075	i	i
NGC1976-6 NGC1978-6	5 35 25.7		WFC	IMAGE	ALL	F656N		î	720	1075	î	i
HD37043	5 35 25.7		HRS	ACCUM	Ø.25	ECH-A	126Ø	ī	6ø	1168	3	î
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1275	ī	6Ø	1168	3	i
HD37043	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1355	ī	6Ø	1168	3	i
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-B	2325	ī	60	1168	3	ī
HD37043	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1476	ī	6Ø	1168	3	ī
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1477	1	6Ø	1168	3	ĩ
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1478	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-	HRS	ACCUM	Ø.25	ECH-A	1276	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1277	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	13Ø2	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 38	HRS	ACCUM	Ø.25	ECH-A	1329	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 36	HRS	ACCUM	Ø.25	ECH-A	1327	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 38	HRS	ACCUM	Ø.25	ECH-A	1328	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 38	HRS	ACCUM	Ø.25	ECH-A	1354	1	8Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 36	HRS	ACCUM	Ø.25	ECH-A	1356	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 38	HRS	ACCUM	Ø.25	ECH-A	1391	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9	-5 54 36	HRS	ACCUM	Ø.25	ECH-A	1392	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-A	1393	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-B	2324	1	6Ø	1168	3	1
HD37Ø43	5 35 25.9		HRS	ACCUM	Ø.25	ECH-B	2326	1	6Ø	1168	3	1
ORION-A	5 35 27.4		F0C/98	IMAGE	512X512	F152M	1500	1	1000	1262	2	1
ORION-A	5 35 27.4		F0C/98	IMAGE	512X512	F13ØM	1270	1	1000	1262		1
ORION-A	5 35 27.4		F0C/98	IMAGE	512X512	F17ØM	176Ø	1	1000	1262		1
ORION-A	5 35 27.4		F0C/96	IMAGE	512X512	F21ØM	2140	1	1000	1262		1
ORION-A	5 35 27.4	-5 28 8	F0C/96	IMAGE	512X512	F253M	2540	1	1000	1262		1
ORION-A	5 35 27.4	-5 28 8	F0C/98	IMAGE	512X512	F346M	348Ø	1	1000	1262	2	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp.	ID	Cy.	Spec. Req.	Tota Line	
											_			_
ORION-B	5 35 27.4		F0C/98	IMAGE	512X512	F152M	1500	1	1000	1262	2			1
ORION-B	5 35 27.4		F0C/96	IMAGE	512X512	F13ØM	1270	1	1000	1262	2			1
ORION-B	5 35 27.4		F0C/96	IMAGE	512X512	F17ØM	1760	1	1000	1262	2			1
ORION-B	5 35 27.4		F0C/96	IMAGE	512X512	F21ØM	2140	1	1000	1262	2			1
ORION-B	5 35 27.4		F0C/96	IMAGE	512X512	F253M	2540	1	1000	1262	2			1
ORION-B	5 35 27.4		F0C/98	IMAGE	512X512	F346M	348Ø	1	1000	1262	2			1
SN1987A	5 35 28.0		PC	IMAGE	ALL	F656N		1	120	1016	1			1
SN1987A		-69 16 12	PC	IMAGE	ALL	F656N		1	48Ø	1016	1			1
SN1987A	5 35 28.0		PC	IMAGE	ALL,	F555W		1	5	1121	Ø			1
SN1987A		-69 16 11	PC	IMAGE	ALL	F555W		1	50	1121	Ø			1
SN1987A		-69 16 11	PC	IMAGE	ALL	F555W		1	200	1121	Ø			1
SN1987A		-69 16 11	PC PC	IMAGE	ALL	F7Ø2W		1	5	1121	Ø			1
SN1987A		-69 16 11	PC	IMAGE IMAGE	ALL	F7Ø2W		1	50	1121	Ø			1
SN1987A		-69 16 11	PC	IMAGE	ALL ALL	F7Ø2W		1	200	1121	Ø	400		1
SN1987A		-69 16 11 -69 16 11	PC	IMAGE	ALL	F336W F336W		1	.5	1121		ACQ		1
SN1987A		-69 16 11 -69 16 11	PC	IMAGE	ALL	F336W		1	5Ø	1121 1121	Ø	ACQ		1
SN1987A			PC	IMAGE	ALL	F555W		1	200		Ø	ACQ		1
SN1987A		-69 16 11 -69 16 11	PC	IMAGE	ALL	F555W		1	5Ø 2ØØ	1121 1121	1			1
SN1987A		-69 16 11	PC	IMAGE	ALL	F7Ø2W		1	200 50	1121				1
SN1987A		-69 16 11	PC	IMAGE	ALL	F702W		1 1	2ØØ	1121	1			i
SN1987A		-69 16 11	PC	IMAGE	ALL	F555W		_	200 50	1121	2			1
SN1987A SN1987A		-69 16 11	PC	IMAGE	ALL	F555W		1 1	200	1121	2			1
SN1967A SN1987A		-69 16 11	PC	IMAGE	ALL	F7Ø2W		i	200 50	1121	2			1
SN1987A SN1987A		-69 16 11	PČ	IMAGE	ALL	F7Ø2W		1	200	1121	2			i
SN1987A		-69 16 11	PČ	IMAGE	ALL	F656N		i	1000	1121	3			i
SN1987A		-69 16 11	PČ	IMAGE	ALL	F656N		2	1000	1121	1			i
SN1987A		-69 16 11	PČ	IMAGE	ALL	F656N		2	1000	1121	2			î
SN1987A		-69 16 11	PČ	IMAGE	ALL	F85ØLP		1	5Ø	1121	1			ī
SN1987A		-69 16 11	PC	IMAGE	ALL	F85ØLP		î	200	1121	ī			î
SN1987A		-69 16 11	PC	IMAGE	ALL	F85ØLP		ī	5Ø	1121	2			î
SN1987A		-69 16 11	PC	IMAGE	ALL	F85ØLP		1	200	1121	2			ī
SN1987A		-69 16 11	PC	IMAGE	ALL	F85ØLP		ī	5Ø	1121	3			î
SN1987A		-69 16 11	PC	IMAGE	ALL	F85ØLP		ī	200	1121	3			ī
SN1987A		-69 16 10	HSP/VIS	SINGLE	Ø.4	F16ØLP		î	1200	1098				3
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G13ØH		i	2000	1042		CON		1
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G19ØH		ī	2000	1042		CON		1
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G27ØH		ī	2000	1042		CON		ī
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G4ØØH		ī	2000	1042		CON		ī
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G57ØH		ī	2000	1042		CON		ī
SN1987A-CENTER		-69 16 12*		ACCUM	Ø.1-PAIR-B	G78ØH		ī	2000	1042		CON		1
SN1987A-FIELD		-69 16 12	PC	IMAGE	ALL	F648M		ī	1000	1042		CON		1
SN1987A-FIELD		-69 16 12	PC	IMAGE	ALL	F648M		ī	1000	1042		ACQ		ī
SN1987A-OFFSET		-69 16 12*		ACQ/BINA		MIRROR		ī	1	1042		•	CON	1
SN1987A-OFFSET	5 35 28.0	-69 16 12*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	Ø	1042	Ø	ACQ	CON	3
SN1987A-P0S1	5 35 28.0	-69 16 12*	FOS/RD	ACCUM	Ø.1-PAIR-B	G4ØØH		1	2000	1042	ø	CON		1
SN1987A-POS1	5 35 28.0	-69 16 12*	FOS/RD	ACCUM	Ø.1-PAIR-B	G57ØH		1	2000	1042	Ø	CON		1
SN1987A-P0S1	5 35 28.Ø	-69 16 12*	FOS/RD	ACCUM	Ø.1-PAIR-B	G78ØH		ī	2000	1042		CON		1
SN1987A-P0S2	5 35 28.0	-69 16 12*	FOS/RD	ACCUM	Ø.1-PAIR-B	G4ØØH		ī	2000	1042		CON		1
SN1987A-P0S2		-69 16 12*		ACCUM	Ø.1-PAIR-B	G57ØH		ī	2000	1042		CON		1

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			Inst.	Operating		Spectral	Central	No.	Exp.		Spec	. Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy. Req	. Lines
SN1987A-P0S2	5 35 28.2	-69 16 12*	FOS/RD	ACCUM	Ø.1-PAIR-B	G78ØH		1	2000	1042	Ø CON	1
SN1987A	5 35 28.0	-69 16 11	F0C/98	IMAGE	512X512	F17ØM		1	600	1259	Ø	ī
SN1987A	5 35 28.0	-69 16 11	F0C/96	IMAGE	512X512	F19ØM		1	600	1259	Ø	ī
SN1987A		-69 16 11	F0C/98	IMAGE	512X512	F346M		1	600	1259	Ø	ī
SN1987A	5 35 28.0	-69 16 11	F0C/98	IMAGE	512X512	F47ØM		1	600	1259	Ø	ĩ
SN1987A		-69 16 11	F0C/96	IMAGE	512X512	F346M		1	600	1259	3	ž
SN1987A	5 35 28.0		F0C/98	IMAGE	512X512	F47ØM		1	600	1259	3	ž
SN1987A	5 35 28.0		F0C/288	IMAGE	512X512	F275W		1	2400	1259	Ø	ĩ
HH34	5 35 29.9		PC	IMAGE	ALL	F7Ø2W		1	200	1121	2	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F7Ø2W		1	200	1121	3	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F656N		2	1000	1121	2	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F673N		2	1000	1121	2	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F656N		2	1000	1121	3	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F673N		2	1000	1121	3	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F7Ø2W		1	120	1121	Ø ACQ	ī
HH34	5 35 29.9		PC	IMAGE	ALL	F85ØLP		2	600	1121	3	î
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1300	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1340	ī	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	1910	1	30	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2060	ī	3Ø	1162	3	î
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2260	1	3Ø	1162	3	ĩ
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	237Ø	ī	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2600	ī	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2800	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	285Ø	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G14ØM	1080	1	60	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G14ØM	1130	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G16ØM	1160	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1445	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1345	1	3Ø	1162	3	ī
HD37Ø81	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2025	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2325	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-B	2865	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G14ØM	1Ø65	1	60	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G14ØM	1105	1	6Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	G14ØM	1145	1	3Ø	1162	3	ī
HD37Ø81	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1402	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1412	1	3Ø	1162	3	ī
HD37Ø81	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1234	1	3Ø	1162	3	ī
HD37Ø81	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1238	1	3Ø	1162	3	ī
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	1252	1	3Ø	1162	3	1
HD37Ø81	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1276	ī	3Ø	1162		ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1288	1	3Ø	1162		ĩ
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1326	ī	3Ø	1162		ī
HD37Ø61	5 35 31.4	_	HRS	ACCUM	Ø.25	ECH-A	1333	ĩ	3Ø	1162	3	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1353	ī	3Ø	1162	-	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1361	ī	30	1162		ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1369	ī	3Ø	1162	3	i
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1391	î	3Ø	1162	-	ī
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1531	ī	30	1162		i
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1549	î	3Ø	1162		i
HD37Ø61	5 35 31.4		HRS	ACCUM	Ø.25	ECH-A	1559	î	30	1162		i
	0 00 01.7	J 10 0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		···	2000	-			•	•

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	1606	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	1654	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	1673	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	17Ø6	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	18Ø8	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	1828	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	1854	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	2483	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	2011	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	2139	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	2334	1	30	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-B	2683	1	3Ø	1162	3		1
HD37Ø61	5 35 31.4	-5 16 3	HRS	ACCUM	Ø.25	ECH-A	1197	1	44	1162	3		1
HD37Ø61 AØ538-66	5 35 31.4 5 35 40.5	-5 16 3 -66 51 53	HRS	WSCAN	Ø.25	G16ØM	1292	1 1	13Ø 2ØØØ	1162 1091	3 1		1
AØ538-66		-66 51 53	HSP/UV1 HSP/UV1	SINGLE SINGLE	1.Ø 1.Ø	F135W F22ØW		1	2000	1091	1		1 1
AØ538-66	5 35 40.5		HSP/UV2	SINGLE	1.0	F145M		1	6Ø	1097	1		1
AØ538-66		-66 51 53	HSP/UV2	SINGLE	1.0	F184W		1	6Ø	1097	ī		i
AØ538-66		-66 51 53	HSP/UV2	SINGLE	1.0	F248M		ī	40	1097	ī		9
AØ538-66		-66 51 53	HSP/UV2	SINGLE	1.0	F248M		ī	6ø	1097	î		1
AØ538-66		-66 51 53	HSP/UV2	SINGLE	1.0	F284M		ī	6ø	1097	ī		ī
AØ538-66		-66 51 53	HSP/POL	PEAKUP	6.0	F16ØLP		ī	6Ø	1097	1	ACQ	1ø
AØ538-66		-66 51 53	HSP/POL	SINGLE	POLØ	F277M		1	3Ø	1097	1		100
AØ538-66	5 35 40.5	-66 51 53	HSP/UV1	PEAKUP	10.0	F14ØLP		1	6Ø	1097	1	ACQ	1
AØ538-66	5 35 40.5	-66 51 53	HSP/POL	SINGLE	POL45	F277M		1	3Ø	1Ø97	1	•	100
AØ538-66	5 35 40.5	-66 51 53	HSP/POL	SINGLE	POL9Ø	F277M		1	3Ø	1Ø97	1		100
AØ538-66		-66 51 53	HSP/POL	SINGLE	P0L135	F277M		1	3Ø	1Ø97	1		100
HD37128	5 36 15.7	1 15 46	HRS	ACCUM	Ø.25	ECH-A	1360	4	900	1Ø69	3	CON S	
HH1	5 36 20.5	-6 45 11	F0C/96	IMAGE	512X512	F19ØM			1200	1263	Ø		1
HH1	5 36 20.5	-6 45 11	F0C/96	IMAGE	512X512	F3Ø7M			1200	1263	Ø		1
HH1	5 38 20.5	-6 45 11	F0C/96	IMAGE	512X512	F19ØM			1200	1263	1		1
HH1	5 36 20.5	-6 45 11	F0C/96	IMAGE	512X512	F3Ø7M			1200	1263	1		1
HH1 HH1	5 36 20.5 5 36 20.5	-6 45 11 -6 45 11	FOC/96	IMAGE IMAGE	512X512	F19ØM			1200	1263	2		2
HH1	5 36 20.5	-8 45 11 -6 45 11	FOC/98 FOC/48	SPEC	512X512 256X1Ø24-SLIT	F3Ø7M			1200 3720	1263 1263	2		2 1
LMC-WS35	5 36 20.9		PC	IMAGE	ALL	F5Ø2N		1	150	1048	ø	ACQ	i
LMC-WS35	5 36 20.9		PC	IMAGE	ALL	F664N		ī	150	1046	ø	ACQ	i
LMC-WS35	5 36 20.9		FOS/BL	ACCUM	Ø.3	G16ØL		ī	360	1046	2	neq	i
LMC-WS35	5 36 20.9		FOS/BL	ACCUM	1.0	G13ØH		ī	36Ø	1046	2		ī
LMC-WS35	5 36 20.9		FOS/BL	ACCUM	1.0	G19ØH		ī	36Ø	1046	2		ī
LMC-WS35	5 38 20.9	-67 18 8	FOS/RD	ACCUM	Ø.3	PRISM		1	480	1046	2		1
LMC-WS35		-67 18 8	FOS/RD	ACCUM	1.0	G27ØH		1	36Ø	1046	2		1
LMC-WS35-OFFSET-STAR	5 36 20.9	-67 18 8*	FOS/RD	ACQ/BINA		MIRROR		1	1	1046	2	ACQ	1
LMC-N66	5 36 21.0	-67 18 10	F0C/96	IMAGE	512X512	F486N		1	1000	1266	1	·	1
LMC-N66	5 36 21.0	-67 18 10	F0C/96	IMAGE	512X512	F5Ø1N		1	1000	1266	1		1
LMC-N68	5 36 21.0		F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	1000	1266	2		1
HH1-2CTR	5 36 21.0	-8 45 25	PC	IMAGE	ALL	F7Ø2W		1	400	1121	2		1
HH1-2CTR	5 38 21.0	-6 45 25	PC	IMAGE	ALL	F7Ø2W		1	400	1121	3		1
HH1-2CTR	5 36 21.0	-6 45 25	PC	IMAGE	ALL	F656N		2	6ØØ	1121	2		1
HH1-2CTR	5 36 21.0	-6 45 25	PC	IMAGE	ALL	F673N		2	7ØØ	1121	2		1
HH1-2CTR	5 36 21.0	-6 45 25	PC	IMAGE	ALL	F656N		2	600	1121	3		1
HH1-2CTR	5 36 21.Ø	-6 45 25	PC	IMAGE	ALL	F673N		2	7ØØ	1121	3		1

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Target	RA (2000)	Dec(	2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp.	ID		Spec. Req.	Tota! Lines
HH1-2CTR	5 36 21.0	5 -6	45 25	PC	IMAGE	ALL	F85ØLP		1	400	1121	3		1
HH-CS	5 36 21.4			F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		1	3000	1263	2		ĩ
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F7Ø2W		1	200	1121	Ø	ACQ	ī
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F656N		1	600	1121	1	•	1
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F673N		ī	600	1121	1		ī
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F7Ø2W		1	200	1121	1		1
CS-STAR	5 36 23.3			WFC	IMAGE	ALL	F7Ø2W		ī	200	1121	2		1
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F673N		1	600	1121	3		1
CS-STAR	5 36 23.3		46 7	WFC	IMAGE	ALL	F85ØLP		1	200	1121	2		ī
HH2	5 36 25.5		47 12	F0C/96	IMAGE	512X1Ø24	F19ØM		ī	1200	1263	ø		ī
HH2	5 36 25.5		47 12	F0C/96	IMAGE	512X1Ø24	F3Ø7M		ī	1200	1263	Ø		ī
HH2	5 36 25.5		47 12	F0C/98	IMAGE	512X1Ø24	F19ØM		1	1200	1263	1		ī
HH2	5 36 25.5		47 12	F0C/98	IMAGE	512X1Ø24	F3Ø7M		ī	1200	1263	1		ī
HH2	5 36 25.5		47 12	F0C/96	IMAGE	512X1Ø24	F19ØM		1	1200	1263	2		2
HH2	5 36 25.5		47 12	F0C/96	IMAGE	512X1Ø24	F3Ø7M		ī	1200	1263	2		2
HDE269859	5 36 42.8		3Ø 19	HSP/UV2	PRISM	1.0	F262M/F145M		ī	1800	1Ø95	ĩ		2
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	275Ø	ī	60	1211	3		- 1
HD37202	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	2800	ī	60	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	3060	ī	6ø	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-A	1241	ī	6Ø	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-A	1544	ī	6Ø	1211	3		ī
HD37202	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-A	1549	ī	6Ø	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-A	1657	ī	60	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	2348	ī	60	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	2359	ī	6ø	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	2599	ī	60	1211	3		ī
HD372Ø2	5 37 38.4		8 43	HRS	ACCUM	Ø.25	ECH-B	2739	ī	60	1211	3		ī
INCA221-35	5 38 13.0		5 25	FGS	POS	2	F583W		ī	51	1532	1		4
INCA221-35	5 38 13.0		5 25	FGS	POS	2	F583W		ī	51	1532	2		2
HD38268	5 38 22.6		4 13	FOC/48	SPEC	256X1Ø24-SLIT	G225M		1	8ØØ	1256	2		1
HD38268	5 38 22.6		4 13	F0C/48	SPEC	256X1Ø24-SLIT			ĩ	400	1256	2		1
HD38268	5 38 22.6		4 13	F0C/288	IMAGE	512X512	F4ND F55ØM		<b>1</b>	600	1255	2		1
HD38268	5 38 22.6		4 13	F0C/48	SPEC	256X1Ø24-SLIT	G15ØM		ī	288Ø	1256	2		1
HD38268	5 38 22.6	-69	4 13	F0C/288	IMAGE	512X512	F17ØM F4ND		1	1800	1255	Ø		1
HD38268	5 38 22.6	-69	4 13	F0C/288	IMAGE	512X512	F17ØM F4ND		1	1800	1255	2		1
HD38268	5 38 22.6		4 13	F0C/288	IMAGE	512X512	F19ØM F2ND		1	1800	1255	2		1
HD38268	5 38 22.6	-69	4 13	F0C/288	IMAGE	512X512	F165W PRISM1		1	1800	1255	2		2
POINTØ537-441INCA221 -35	5 38 39.8	-44	16 59	s/c	POINTING	V1			1	Ø	1532	1		2
POINTØ537-441INCA221	5 38 39.8	-44	16 59	s/c	POINTING	V1			1	Ø	1532	2		1
MK39	5 38 40.2	-69	6 1	HRS	ACCUM	2.0	G14ØL	1250	1	1Ø8Ø	1215	1		1
MK39	5 38 40.2	-69	6 1	HRS	ACCUM	2.0	G14ØL	167Ø	1	216Ø	1215	1		1
MK39	5 38 40.2	-69	6 1	HRS	ACCUM	2.0	G14ØL	1420	1	1439	1215	1		1
MK25	5 38 41.5		5 20	HRS	ACCUM	2.0	G14ØL	1420	1	186Ø	1215	2		1
MK25	5 38 41.5	-69	5 20	HRS	ACCUM	2.0	G14ØL	1670	1	279Ø	1215	2		1
MK25	5 38 41.5	-69	5 20	HRS	ACCUM	2.0	G14ØL	1250	1	1395	1215	2		1
MK42	5 38 42.1	-69	5 56	HRS	ACCUM	2.0	G14ØL	1420	1	700	1215	1		1
MK42	5 38 42.1	-69	5 56	HRS	ACCUM	2.0	G14ØL	1250	1	525	1215	1		1
MK42	5 38 42.1	-69	5 56	HRS	ACCUM	2.0	G14ØL	167Ø	1	1050	1215	1		1
3ØDOR-STARS	5 38 42.1	-69	5 43*	PC	IMAGE	ALL	F284W		1	Ø	1215	Ø	ACQ	1
3ØDOR-STARS	5 38 42.1	-69	5 43*	WFC	IMAGE	ALL	F5Ø2N		1	600	1215	Ø	ACQ	1

Fixed Ta	argets
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Target	RA (2000) Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
3ØDOR-STARS		* WFC	IMAGE	ALL	F487N		1	600	1215	1		1
3ØDOR-STARS	5 38 42.1 -69 5 43		IMAGE	ALL	F673N		1	600	1215	1		1
3ØDOR-STARS	5 38 42.1 -69 5 43		IMAGE	ALL	F517N		1	Ø	1215	Ø	ACQ	1
R136A3		+ HRS	IMAGE	Ø.25	MIRROR-N1	135Ø	1	81	1188	1		1
R136A3		+ HRS	ACCUM	Ø.25	G14ØL G14ØL	1630	1 1	6ØØ 6ØØ	1188 1188	1 1		1
R136A3 R136A3		S+ HRS S+ HRS	ACCUM ACCUPEAK	Ø.25	MIRROR-N1	1036	1	46	1188	1	ACQ	1
R136A4		:+ HRS	ACQ/PEAK IMAGE	Ø.25	MIRROR-N1		i	81	1188	3	ACQ	1
R136A4		* HRS	ACCUM	Ø.25	G14ØL	135ø	i	600	1188	3		i
R136A4		+ HRS	ACCUM	Ø.25	G14ØL	163Ø	ī	600	1188	3		î
R136A4		+ HRS	ACQ/PEAK		MIRROR-N1		ĩ	46	1188	3	ACQ	ī
HD38268	5 38 42.9 -69 6		PRISM	1.0	F262M/F145M		1	1800	1095	1	• • • •	2
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G14ØL	1500	1	3ØØ	1188	Ø		1
R136A1	5 38 42.9 -69 6 3	HRS	IMAGE	Ø.25	MIRROR-N2		1	81	1188	Ø		1
R136A1	5 38 42.9 -69 6	HRS	IMAGE	Ø.25	MIRROR-N1		1	81	1188	1		1
R136A1	5 38 42.9 -69 6 3		IMAGE	Ø.25	MIRROR-N2		1	81	1188	2		1
R136A1	5 38 42.9 -69 6 3		IMAGE	Ø.25	MIRROR-N1		1	81	1188	3		1
R136A1	5 38 42.9 -69 6 3		ACCUM	Ø.25	G14ØL	125Ø	1	300	1188	Ø		1
R136A1	5 38 42.9 -69 6 3		ACCUM	Ø.25	G14ØL	1350	1	300	1188	1		1
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G14ØL G14ØL	1630	1 1	3ØØ 3ØØ	1188 1188	1		1
R136A1	5 38 42.9 -69 6 3 5 38 42.9 -69 6 3		ACCUM ACCUM	Ø.25 Ø.25	G140L G140L	135Ø 163Ø	1	300 300	1188	3 3		1
R136A1 R136A1	5 38 42.9 -69 6 3 5 38 42.9 -69 6 3		ACCUM	Ø.25 Ø.25	G140L G160M	1400	5	200	1188	2		1 1
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G16ØM	1370	5	200	1188	2		1
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G16ØM	156ø	5	200	1188	2		i
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G16ØM	1630	5	200	1188	2		ī
R136A1	5 38 42.9 -69 6		ACCUM	Ø.25	G16ØM	173Ø	5	200	1188	2		ī
R136A1	5 38 42.9 -69 6 3		ACCUM	Ø.25	G16ØM	1535	5	200	1188	2		1
R136A1	5 38 42.9 -69 6	HRS	ACCUM	Ø.25	G16ØM	1655	5	200	1188	2		1
R136A1	5 38 42.9 -69 6 3	HRS	ACCUM	Ø.25	G16ØM	17Ø5	5	200	1188	2		1
R136A1	5 38 42.9 -69 6 3		ACQ/PEAK		MIRROR-N1		1	46	1188	1	ACQ	1
R136A1	5 38 42.9 -69 6 3		ACQ/PEAK		MIRROR-N1		1	46	1188	3	ACQ	1
R136A1	5 38 42.9 -69 6 3		ACCUM	Ø.25	G14ØL	175Ø	1	401	1188	Ø		1
R136NEW		+ HRS	IMAGE	Ø.25	MIRROR-N1	1050	1	81	1188	3		2
R136NEW		+ HRS	ACCUM	Ø.25	G14ØL G14ØL	135Ø 163Ø	1	75Ø	1188	3		2
R136NEW		+ HRS	ACCUM ACQ/PEAK	Ø.25	MIRROR-N1	1036	1	75Ø 46	1188 1188	3 3	4.00	2 2
R136NEW R136A2		I≠ HRS I≠ HRS	IMAGE	Ø.25	MIRROR-N1		1	81	1188	3	ACQ	1
R136A2		# HRS	ACCUM	Ø.25	G14ØL	135Ø	1	300	1188	3		1
R136A2		+ HRS	ACCUM	Ø.25	G14ØL	1630	ī	300	1188	3		i
R136A2		+ HRS	ACQ/PEAK		MIRROR-N1	2002	ī	46	1188	3	ACQ	î
R136A5		* HRS	IMAGE	Ø.25	MIRROR-N1		ī	81	1188	3		ī
R136A5		+ HRS	ACCUM	Ø.25	G14ØL	135Ø	1	300	1188	3		1
R136A5		* HRS	ACCUM	Ø.25	G14ØL	163Ø	1	300	1188	3		1
R138A5		+ HRS	ACQ/PEAK		MIRROR-N1		1	46	1188	3	ACQ	ī
R136B	5 38 43.3 -69 6	* HRS	IMAGE	Ø.25	MIRROR-N1		1	81	1188	1	•	1
R136B	5 38 43.3 -69 6	* HRS	ACCUM	Ø.25	G14ØL	1350	1	600	1188	1		1
R136B		+ HRS	ACCUM	Ø.25	G14ØL	1630	1	600	1188			1
R136B		* HRS	ACQ/PEAK		MIRROR-N1		1	46	1188		ACQ	1
R136-LMC	5 38 43.4 -69 6		IMAGE	ALL	F555W		1	10	1121	Ø	ACQ	1
R138-LMC	5 38 43.4 -69 6		IMAGE	ALL	F336W		1	Ø	1121	1		1
R136-LMC	5 38 43.4 -69 6	PC	IMAGE	ALL	F469N		1	40	1121	1		1

Target	RA (2000)	Inst Dec(2000) Conf		Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines
R136-LMC	5 38 43.4	-69 6 5 PC	IMAGE	ALL	F555W		1	1	1121	1		1
R136-LMC	5 38 43.4		IMAGE	ALL	F656N		ī	7ø	1121	1		ī
R136-LMC	5 38 43.4		IMAGE	ALL	F85ØLP		1	3	1121	1		1
R136-LMC	5 38 43.4		IMAGE	ALL	F7Ø2W		1	2	1121	Ø		ĩ
R136-LMC	5 38 43.4		IMAGE	ALL	F7Ø2W		ī	2	1121	1		ī
R136C	5 38 43.4		IMAGE	Ø.25	MIRROR-N1		ī	81	1188	1		ī
R136C	5 38 43.4		ACCUM	Ø.25	G14ØL	135Ø	ī	600	1188	ī		ī
R136C	5 38 43.4		ACCUM	Ø.25	G14ØL	1630	ī	600	1188	1		ī
R136C	5 38 43.4		ACQ/PEA		MIRROR-N1		ī	46	1188	1	ACQ	ī
Ø537-441INCA221-35	5 38 49.8	· · · · · · · · · · · · · · · ·	POS	2	F583W		ī	51	1532	1		ē
Ø537-441INCA221-35	5 38 49.8		POS	2	F583W		ī	51	1532	2		3
PKSØ537-441	5 38 49.8			_	F14ØLP		1	60	1099	1		1ø
AØ535+26	5 38 54.6			1.0	F248M/F135W		ī	3000	1091	1		1
LMC-X-3	5 38 56.5			1.0	F16ØLP		3	600	1094	1		ī
LMC-X-3	5 38 56.5				MIRROR		1	5Ø	1151	1	ACQ	ī
LMC-X-3	5 38 56.5				MIRROR		ī	50	1151	2	ACQ	ī
LMC-X-3	5 38 56.5			Ø.5	G13ØH	1379	1	600	1151	1		ī
LMC-X-3	5 38 56.5			Ø.5	G13ØH	1379	ī	600	1151	2		ī
LMC-X-3	5 38 56.5			Ø.5	G19ØH	1938	1	36Ø	1151	1		1
LMC-X-3	5 38 56.5			Ø.5	G27ØH	2766	1	240	1151	1		ī
LMC-X-3	5 38 56.5			Ø.5	G19ØH	1938	1	36Ø	1151	2		1
LMC-X-3	5 38 56.5	-64 5 1 FOS/	BL. ACCUM	Ø.5	G27ØH	2766	1	24Ø	1151	2		1
LMCX-3	5 38 56.5	-64 5 1 HSP/		10.0	F14ØLP		1	6Ø	1Ø97	2	ACQ	1
LMCX-3	5 38 56.5	-64 5 1 HSP/	JV2 PEAKUP	10.0	F14ØLP		1	60	1097	2	ACQ	10
LMCX-3	5 38 56.5	-64 5 1 HSP/	OL STAR-SK	Y POLØ	F277M		1	33	1Ø97	2		100
LMCX-3	5 38 58.5	-84 5 1 HSP/	JV1 STAR-SK	Y 1.Ø-B	F22ØW		1	60	1Ø97	2		1
LMCX-3	5 38 56.5			Y 1.Ø-A	F145M		1	6Ø	1Ø97	2		1
LMCX-3	5 38 56.5			Y 1.Ø-A	F284M		1	6Ø	1Ø97	2		1
LMCX-3	5 38 56.5				F184W		1	6Ø	1Ø97	2		1
LMCX-3	5 38 56.5				F248M		1	60	1Ø97	2		1Ø
LMCX-3	5 38 56.5				F277M		1	33	1Ø97	2		100
LMCX-3	5 38 56.5				F277M		1	33	1Ø97	2		100
LMCX-3	5 38 56.5			Y POL135	F277M		1	33	1097	2		100
LMC-X-1		-69 44 36 HRS	ACCUM	Ø.25	G14ØL	152Ø	1	900	1151	2		2
LMC-PULSAR		-69 19 57 WFC	IMAGE	ALL	F555W		2	600	1101	1	ACQ	1
LMC-PULSAR		-69 19 57 HSP/		1.0	F135W		1	3600	1101			4
LMC-PULSAR		-69 19 57 HSP/		1.0	F218M		1	3600	1101	1		4
LMC-PULSAR		-69 19 57 HSP/		1.0	F551W		1	3600	1101	1	1.00	4
Ø54Ø-69.3		-69 19 58 WFC	IMAGE	ALL	F5Ø2N		1	500	1048		ACQ	1
Ø54Ø-69.3		-69 19 58 WFC	IMAGE	ALL	F517N		1	200	1048	2	ACQ	1
Ø54Ø-69.3P1		-69 19 58* FOS/		1.0-PAIR	G13ØH		1	800	1048			1
Ø54Ø-69.3P1	and the second s	-69 19 58* FOS/		1.0-PAIR	G19ØH		1	500	1048			1
Ø54Ø-69.3P1		-69 19 58* FOS/		1.Ø-PAIR	G27ØH		1	300	1048			1
Ø54Ø-69.3P1		-69 19 58* FOS/		1.Ø-PAIR	G4ØØH		1	300	1048			1 1
Ø54Ø-69.3P1		-69 19 58* FOS/		1.0-PAIR	G57ØH		1 1	300	1048		ACO	1
STAR3-OFFSET	5 40 11.1 5 40 29.3	•	BL ACQ/BIN Image	A 4.3 ALL	MIRROR		1	11 100	1Ø48 1121		ACQ ACQ	1
R5ØCTR	5 40 29.3 5 40 29.3	-7 28 12 WFC	IMAGE	ALL	F7Ø2W F7Ø2W		2	400	1121		vcd	2
R5ØCTR HD37742	5 40 29.3	-1 56 34 HRS	ACCUM	Ø.25	ECH-A	126Ø	1	400 60	1168			1
HD37742	5 40 45.5	-1 56 34 HRS	ACCUM	Ø.25 Ø.25	ECH-A	1275	1	6Ø	1168			i
HD37742	5 40 45.5	-1 56 34 HRS	ACCUM	Ø.25 Ø.25	ECH-A	1355	1	6Ø	1168			i
HD37742	5 40 45.5		ACCUM	Ø.25 Ø.25	ECH-B	2325	1	6Ø	1168			1
11001174	U 70 70.0	- T OO OA 111/3	ACCOM	0.20	LCII-D	2020	-	00	1100	9		

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Evn	Exp. Time	ID	cu	Spec. Req.	Total Lines
iai geo	NA (2000)	000 (2000)	com ig.	MOGO	,,po,, 04, 0	Lionello	mave.	Exp.	111110	10	Cy.	. Noy.	Lines
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1476	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1477	-1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1478	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1276	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1277	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	13Ø2	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1329	ī	60	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1327	ī	6Ø	1168	3		ī
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1328	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1354	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1356	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1391	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1392	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-A	1393	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-B	2324	1	6Ø	1168	3		1
HD37742	5 40 45.5	-1 56 34	HRS	ACCUM	Ø.25	ECH-B	2326	1	60	1168	3		1
3C147	5 42 36.1	49 51 7	F0C/96	IMAGE	512X512	F19ØM		1	600	1228	2		1
3C147	5 42 36.1	49 51 7	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C147	5 42 36.1	49 51 7	F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2		1
3C147	5 42 38.1	49 51 7	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
LMC-WS38	5 42 36.9	-70 9 32	PC .	IMAGE	ALL	F5Ø2N		1	150	1048	Ø	ACQ	1
LMC-WS38	5 42 36.9	-70 9 32	PC	IMAGE	ALL	F664N		1	150	1046	Ø	ACQ	1
LMC-WS38	5 42 36.9	-70 9 32	FOS/BL	ACCUM	Ø.3	G16ØL		1	36Ø	1046	2	•	1
LMC-WS38	5 42 36.9	-70 9 32	FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1048	2		1
LMC-WS38	5 42 36.9	-70 9 32	FOS/BL	ACCUM	1.0	G19ØH		1	36Ø	1046	2		1
LMC-WS38	5 42 36.9	-70 9 32	FOS/RD	ACCUM	Ø.3	PRISM		1	48Ø	1046	2		1
LMC-WS38	5 42 36.9	<b>-70 9 32</b>	FOS/RD	ACCUM	1.0	G27ØH		1	36Ø	1046	2		1
LMC-WS38-OFFSET-STAR	5 42 36.9	<b>-70 9 32≠</b>	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1046	2	ACQ	1
HD39Ø14	5 44 48.5	-65 44 8	F0C/288	OCC	512X1Ø24-FØ.4	F12ØM		1	600	1275	1		1
HD39Ø14	5 44 46.5		F0C/288	occ	512X1024-F0.4			1	300	1275	1		1
HD39Ø14	5 44 48.5		F0C/288	OCC	512X512-FØ.4			1	100	1275	1		1
HD39Ø14	5 44 48.5		F0C/288	OCC.	512X1Ø24-FØ.4			1	600	1275	1		1
HD39Ø14	5 44 46.5		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	1		1
·HD39Ø14	5 44 48.5	_	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD39Ø14	5 44 48.5		F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1
HD39Ø14	5 44 48.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	1		1
HD39Ø14	5 44 48.5		F0C/288	occ	512X1Ø24-FØ.4			1	300	1275	2		1
HD39Ø14	5 44 48.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275			1
HD39Ø14		-65 44 8	F0C/288	000	512X1Ø24-FØ.4			1	300	1275			1
SK-67-268		-67 14 58	HSP/UV2	PRISM	1.0	F262M/F145M			1800	1095			2
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-B	2370	1	3Ø	1071	Ø		1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1240	1	66	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1252	1	54	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1530	1	120	1071	Ø		1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	48	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1334	1	66	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1356	1	114	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1392	1	132	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1191	1	36	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-A	1547	1	138	1071			1
HD38666		-32 18 22	HRS	WSCAN	Ø.25	ECH-B	1805	1	54	1071			1
HD38666	5 45 59.9	-32 18 22	HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	48	1071	Ø		1.

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
CAL87	5 48 3.1	-71 8 15	FOS/BL	ACQ/BINA	4.3	MIRROR		1	100	1151	1	ACQ	3
CAL87		-71 8 15	FOS/BL	ACCUM	Ø.5	G16ØL	1836	1	600	1151	1	•	3
HD38678		-14 49 20	F0C/288	DCC	512X1Ø24-FØ.4			1	300	1275	2		ĭ
HD38678		-14 49 20	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		ī
HD38678		-14 49 20	F0C/288	OCC	512X1Ø24-FØ.4	F342W P0L6Ø		1	300	1275	2		ī
HD38678	5 48 57.2		F0C/288	OCC	512X1Ø24-FØ.4	F342W POL12Ø		1	300	1275	2		1
HD39Ø6Ø	5 47 17.Ø		HRS	ACCUM	Ø.25	G27ØM	2070	1	28	1171	1		1
HD39Ø6Ø	5 47 17.0	-51 3 59	HRS	ACCUM	Ø.25	G27ØM	235Ø	1	28	1171	1		1
HD39060	5 47 17.0	-51 3 59	HRS	ACCUM	Ø.25	G27ØM	275Ø	1	28	1171	1		1
HD39Ø6Ø	5 47 17.0	-51 3 59	HRS	ACCUM	Ø.25	G27ØM	2984	1	55	1171	1		1
HD39Ø6Ø	5 47 17.Ø	-51 3 59	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	110	1171	1		1
HD39060	5 47 17.Ø	-51 3 59	HRS	ACCUM	Ø.25	ECH-B22	26Ø3	1	110	1171	1		1
HD39060	5 47 17.0	-51 3 59	HRS	ACCUM	Ø.25	ECH-B24	2483	1	110	1171	1		1
HD39060	5 47 17.Ø	-51 3 59	HRS	ACCUM	Ø.25	ECH-B28	2027	1	55	1171	1		1
HD39Ø6Ø	5 47 17.0		HRS	ACCUM	Ø.25	ECH-B25	2263	1	55	1171	1		1
HD39Ø6Ø	5 47 17.0		HRS	ACCUM	Ø.25	ECH-B	3Ø83	1	110	1171	1	•	1
HD39Ø6Ø	5 47 17.0		HRS	ACCUM	Ø.25	G16ØM	1554	1	71Ø	1171	1		1
HD39060	5 47 17.0		HRS	ACCUM	Ø.25	ECH-B2Ø	2854	1	110	1171	1		1
BETA-PIC	5 47 17.1		PC	IMAGE	ALL	F555W		1	2	1122	Ø		2
BETA-PIC	5 47 17.1		PC	IMAGE	ALL	F555W			1200	1122	Ø		2
BETA-PIC	5 47 17.1		WFC	IMAGE	ALL	F555W		1	8Ø	1122	3		2
BETA-PIC	5 47 17.1		WFC	IMAGE	ALL	F555W	Faaa	1	4000	1122	3		2
HD39Ø6Ø	5 47 17.1		FOS/RD	ACCUM	Ø.3	PRISM	5000	1	40	1287	2		1
HD39060	5 47 17.1		F0C/98	000	512X512-FØ.4	F140W		1	120	1275	2		1 .
HD39060	5 47 17.1		F0C/96	000	512X512-FØ.4	F600M			1200	1287	Ø		1
HD39060	5 47 17.1		F0C/98	0CC	512X512-FØ.8 512X512-FØ.8	F342W F600M		_	1200 1200	1287 1287	ø		1
HD39060 HD39060	5 47 17.1		F0C/96	0CC	512X512-FØ.4	F342W		i	1200	1287	ø	ACQ	1 1
HD39060	5 47 17.1 5 47 17.1		F0C/96 F0C/48	SPEC	256X1Ø24-SLIT			1	900	1275	1	ACQ	2
HD39060	5 47 17.1		F0C/288	OCC	512X1Ø24-FØ.4			î	6ØØ	1275	ī		1
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X1Ø24-FØ.4			ī	300	1275	ī		i
HD39Ø6Ø	5 47 17.1		F0C/96	occ	512X512-FØ.4	F12ØM F2ND		ī	600	1275	2		i
HD39Ø6Ø	5 47 17.1		F0C/96	occ	512X512-FØ.4	F486N F8ND		ī	100	1275	2		ī
HD39Ø6Ø	5 47 17.1		F0C/96	OCC	512X512-FØ.4	F2ND F3Ø7M		ī	1200	1275	2		ĩ
HD39Ø6Ø	5 47 17.1		F0C/96	occ	512X512-FØ.4	F342W F4ND		1	540	1275	2		ī
HD39Ø6Ø	5 47 17.1		F0C/96	OCC	512X512-FØ.4	F342W F6ND		1	18Ø	1275	2		ī
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F486N F6ND		1	100	1275	1		ī
HD39Ø8Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F195W F4ND		1	900	1275	2		1
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F195W F6ND		1	600	1275	2		2
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F342W F6ND		1	900	1275	2		1
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F342W POLØ		1	900	1275	2		1
HD39Ø6Ø	5 47 17.1	-51 3 59	F0C/288	OCC	512X512-FØ.4	F120M F2ND		1	1200	1275	2		1
HD39Ø6Ø	5 47 17.1	-51 3 59	F0C/288	OCC	512X512-FØ.4	F342W POL6Ø		1	9ØØ	1275	2		1
HD39Ø6Ø	5 47 17.1	-51 3 59	F0C/288	OCC	512X1Ø24-FØ.4	F275₩ F2ND		1	6ØØ	1275	1		1
HD39Ø6Ø	5 47 17.1	-51 3 59	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	1		1
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X512-FØ.4	F22ØW	2200	1	2000	1287	2		1
HD39060	5 47 17.1		F0C/288	OCC	512X512-FØ.4			1	900	1275	2		1
HD39Ø6Ø	5 47 17.1		F0C/288	OCC	512X1024-F0.4			1	300	1275	1		1
HD39060	5 47 17.1		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	1		1
HD39Ø6Ø	5 47 17.1		F0C/48	SPEC		F18ØLP GRATING		1	900	1275	1		2
HD39Ø6Ø-0FF1	5 47 17.1		FOS/RD	ACCUM	Ø.3	PRISM	5000	1	600	1287	2		1
HD39Ø6Ø-0FF2	5 47 17.1	-51 3 59*	FOS/RD	ACCUM	Ø.3	PRISM	5000	1	600	1287	2		1

Fi	xed	Tar	gets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp	Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD39Ø6Ø-0FF3	5 47 17.1	-51 3 59*	FOS/RD	ACCUM	Ø.3	PRISM	5000	1	600	1287	2	1
HD39Ø6Ø-0FF4	5 47 17.1	-51 3 59*	FOS/RD	ACCUM	Ø.3	PRISM	5000	1	6ØØ	1287	2	1
HD39Ø6Ø-0FF5	5 47 17.1	-51 3 59*	FOS/RD	ACCUM	Ø.3	PRISM	5000	1	6ØØ	1287	2	1
HD39Ø6Ø-0FF6	5 47 17.1		FOS/RD	ACCUM	Ø.3	PRISM	5000	1	6ØØ	1287	2	1
NGC2121-BKGRD	5 47 21.3	-71 33 23*	WFC'	IMAGE	ALL	F555W		1	20	1113	3	1
NGC2121-BKGRD	5 47 21.3	-71 33 23*	WFC -	IMAGE	ALL	F555W		1	200	1113	3	1
NGC2121-BKGRD	5 47 21.3	-71 33 23*	WFC	IMAGE	ALL	F555W		1	2200	1113	3	1
NGC2121-BKGRD		-71 33 23*		IMAGE	ALL	F785LP		1	20	1113	3	1
NGC2121-BKGRD	5 47 21.3	-71 33 23*	WFC	IMAGE	ALL	F785LP		1	200	1113	3	1
NGC2121-BKGRD		-71 33 23*	WFC	IMAGE	ALL	F785LP		1	22ØØ	1113	3	1
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	126Ø	1	6Ø	1168	3	1
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1275	1	6Ø	1168	3	1
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1355	ĩ	6Ø	1168	3	1
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-B	2325	1	6Ø	1168	3	1
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1476	1	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1477	1	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1478	ī	60	1168	3	ī
HD38771	5 47 45.3	I 17 TT	HRS	ACCUM	Ø.25	ECH-A	1276	1	6Ø	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1277	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1302	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1329	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1327	ĩ	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1328	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1354	ī	60	1168	3	ĩ
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1356	ī	60	1168	3	ĩ
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1391	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1392	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-A	1393	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-B	2324	ī	60	1168	3	ī
HD38771	5 47 45.3		HRS	ACCUM	Ø.25	ECH-B	2326	ī	60	1168	3	ī
HD38771	5 47 45.4		HRS	ACCUM	Ø.25	ECH-A	136Ø	4	36ØØ	1069	2	ī
HD38771	5 47 45.4	-9 40 11	HRS	WSCAN	Ø.25	ECH-A	1240	i	39	1071	ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-A	1252	1	32	1071	Ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-A	1530	ī	72	1071	Ø	ī
HD38771	5 47 45.4	-9 40 11	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	18	1071	Ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-A	1303	ī	28	1071	Ø	· ī
HD38771	5 47 45.4	1 11 77	HRS	WSCAN	Ø.25	ECH-A	1334	1	39	1071	Ø	ī
HD38771	5 47 45.4	-9 40 11	HRS	WSCAN	Ø.25	ECH-A	1356	1	68	1071	ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-A	1392	ī	79	1071	ø	ī
HD38771	5 47 45.4	-9 40 11	HRS	WSCAN	Ø.25	ECH-A	1191	ī	21	1071	ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-A	1547	ī	82	1071	ø	ī
HD38771	5 47 45.4	1 11 77	HRS	WSCAN	Ø.25	ECH-B	18Ø5	ī	32	1071	ø	ī
HD38771	5 47 45.4		HRS	WSCAN	Ø.25	ECH-B	2602	ī	28	1071	ø	ī
NGC2121		-71 28 51	WFC	IMAGE	ALL	F555W	2002	ī	20	1113		ī
NGC2121 NGC2121		-71 28 51	WFC	IMAGE	ALL	F555W		ī	200	1113		ī
NGC2121 NGC2121		-71 28 51	WFC	IMAGE	ALL	F555\\		1	2200	1113		ī
NGC2121 NGC2121		-71 28 51	WFC	IMAGE	ALL	F785LP		1	200	1113		i
NGC2121 NGC2121		-71 28 51	WFC	IMAGE	ALL	F785LP		i	200	1113		i
NGC2121 NGC2121		-71 28 51	WFC	IMAGE	ALL	F785LP		i	2200	1113		i
HD38899	5 49 32.8		HRS	ACCUM	Ø.25	ECH-B	1942	1	258	1113		i
			HSP/POL	SINGLE	POLØ		1942	1	256 6Ø	1099		5
PKSØ548-322		-32 16 11 -32 16 11	HSP/POL	SINGLE	POL45	F277M F277M		1	6Ø	1099	-	5
PKSØ548-322	0 00 41.8	-32 10 11	HOF / FUL	STIME	1 0140	F 2 1 1 M		1	OB	TESS	J	3

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp.	ID		Spec. Req.	Total Lines
PKSØ548-322	E EG 41	9 -32 16 11	HSP/POL	SINGLE	P0L9Ø	F277M		1	6Ø	1ø99	3		5
PKSØ548-322	5 50 41		HSP/POL	SINGLE	P0L135	F277M		i	6Ø	1099	3		5
PKSØ548-322	5 50 41		HSP/UV2	STAR-SKY		F14ØLP		i	6Ø	1099	3		10
LP658-2	5 55 9		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	300	1050	ø		1
LP658-2	5 55 9		FOS/BL	ACCUM	Ø.5	G16ØL	1725	ī	4500	1050	ø		i
LP658-2	5 55 9		FOS/BL	ACCUM	Ø.5	G27ØH	2766	ī	1200	1050	ø		ī
LP658-2	5 55 9		FOS/BL	ACQ/BINA		MIRROR	2.00	ī	3	1050	ø	ACQ	ī
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F152M F165W		ī	1200	1252	ĩ	71.54	2
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F220W F231M F2ND		ī	1200	1252	ī		- 2
HD398Ø1	5 55 10		PC	IMAGE	ALL-ND	F547M POLØ		2	60	1Ø63	2		ī
HD398Ø1	5 55 10		PC	IMAGE	ALL-ND	F547M POLØ		2	600	1Ø63	2		• 1
HD398Ø1	5 55 10		PC	IMAGE	ALL-ND	F547M POLØ		2	Ø	1Ø63	2		ī
HD398Ø1	5 55 10		PC	IMAGE	ALL-ND	F547M POL6Ø		2	60	1Ø63	2		1
HD398Ø1	5 55 10	2 7 24 25	PC	IMAGE	ALL-ND	F547M POL6Ø		2	600	1063	2		1
HD398Ø1	5 55 10	2 7 24 25	PC	IMAGE	ALL-ND	F547M POL6Ø		2	Ø	1063	2		1
HD398Ø1	5 55 10	2 7 24 25	PC	IMAGE	ALL-ND	F547M POL12Ø		2	6Ø	1Ø63	2		1
HD398Ø1	5 55 10	2 7 24 25	PC	IMAGE	ALL-ND	F547M POL12Ø		2	600	1Ø63	2		1
HD398Ø1	5 55 10	2 7 24 25	PC	IMAGE	ALL-ND	F547M POL12Ø		2	Ø	1063	2		1
HD398Ø1	5 55 1Ø.	2 7 24 25	HRS	ACCUM	Ø.25	ECH-B	2799	6	600	1Ø63	1		1
HD398Ø1	5 55 10		FOS/RD	ACCUM	Ø.5	G27ØH	2759	1	12	1Ø63	2		1
HD398Ø1	5 55 10		FOS/RD	ACQ/PEAK		G27ØH	2759	1	1	1Ø63	2	ACQ	1
HD398Ø1	5 55 10		FOS/RD	ACQ/PEAK		G27ØH	2759	1	1	1063	2	ACQ	1
HD398Ø1-A	5 55 10		FOS/RD	ACCUM	Ø.5	G27ØH	2759	1	420	1063	2		1
HD398Ø1-A	5 55 10		FOS/RD	ACCUM	Ø.5	G57ØH	5691	1	420	1Ø63	2		1
HD398Ø1-B	5 55 10		FOS/RD	ACCUM	Ø.5	G27ØH	2759	1	420	1063	2		1
HD398Ø1-B	5 55 10.			ACCUM	Ø.5	G57ØH	5691	1	420	1063	2		1
HD398Ø1-C	5 55 10		FOS/RD	ACCUM	Ø.5	G27ØH	2759	1	420	1Ø63	2		1
HD398Ø1-C	5 55 10		FOS/RD	ACCUM	Ø.5	G57ØH	5691	1	420	1Ø63	2		1
HD398Ø1-D	5 55 1Ø.			ACCUM	Ø.5	G27ØH	2759	1	420	1Ø63	2		1
HD398Ø1-D	5 55 10.			ACCUM ACCUM	Ø.5 Ø.5	G57ØH	5691	1	420	1063	2		1
HD398Ø1-E	5 55 10.		FOS/RD	ACCUM	Ø.5	G27ØH G57ØH	2759	1	420	1063	2		1
HD398Ø1-E	5 55 1Ø		FOS/RD	ACCUM	Ø.5	G27ØH	5691	1	420	1063	2		1
HD398Ø1-F	5 55 10. 5 55 10.		FOS/RD FOS/RD	ACCUM	Ø.5	G57ØH	2759 5691	1 1	42Ø 42Ø	1Ø63 1Ø63	2		1
HD398Ø1-F HD398Ø1-G	5 55 10			ACCUM	Ø.5	G27ØH	2759	1	420	1063	2		i
HD398Ø1-G	5 55 10			ACCUM	Ø.5	G57ØH	5691	1	420	1063	2		i
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F14ØW F165W	5031	ī	72Ø	1250	3		2
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F17ØM F175W		i	720	1250	3		2
HD398Ø1	5 55 10		F0C/288	OCC	512X512-FØ.4	F278M F32ØW		ī	1500	1250	2		2
HD398Ø1	5 55 10		F0C/288	OCC	512X512-FØ.4	F3Ø7M F32ØW		ī	1800	1250	2		2
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F278M F32ØW F8ND		ī	900	1250	2		4
HD398Ø1	5 55 10		F0C/288	IMAGE	256X256	F307M F320W F8ND		ī	900	1250	2		4
HD398Ø1	5 55 10		F0C/288	OCC	512X512-Fø.4	F278M F32ØW F8ND		ī	120	1250	2		2
HD398Ø1	5 55 10		F0C/288	OCC	512X512-FØ.4	F278M F32ØW F8ND		ī	120	1250	2	ACQ	2
HD398Ø1	5 55 10.		HRS	ACCUM	2.0	G14ØL	155Ø	1	354	1195	ø	• • •	1
HD398Ø1	5 55 10		HRS	ACCUM	2.0	G14ØL	1800	1	7Ø8	1195	Ø		1
HD398Ø1	5 55 10.	3 7 24 25	HRS	ACCUM	2.0	G2ØØM	1655	1	300	1195	Ø		1
HD398Ø1	5 55 10.		HRS	ACCUM	2.0	G14ØL	1314	1	600	1195	Ø		1
HD398Ø1	5 55 10.		HRS	ACCUM	2.0	G2ØØM	1994	1	468	1195	Ø		1
HD398Ø1	5 55 10.		HRS	ACCUM	2.0	ECH-B18	3Ø5Ø	1	15Ø	1199	2		1
HD398Ø1	5 55 1Ø.		HRS	ACCUM	2.0	ECH-B18	3120	1	15Ø	1199	2		1
HD398Ø1	5 55 10.	3 7 24 25	HRS	ACCUM	2.0	ECH-B18	3190	1	16Ø	1199	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD398Ø1	5 55 1 <b>Ø</b> .3	7 24 25	HRS	ACCUM	2.0	ECH-B22	2610	1	25Ø	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B2Ø	2745	1	160	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B22	2484	1	200	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B18	3Ø36	1	15Ø	1199	2 .	ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B18	3Ø64	1	15Ø	1199	2	ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B18	3Ø78	1	150	1199	2	ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B18	3092	ī	15Ø	1199	2	ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B18	31Ø6	ī	150	1199	2	. 1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B18	3134	ī	110	1199	2	ī
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B18	3148	ī	120	1199	2	ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B18	3162	ī	140	1199	2	ī
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B18	3176	ī	15Ø	1199	2	ī
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B18	3204	î	17Ø	1199	2	ī
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B19	2916	i	110	1199	2	i
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B2Ø	2757	ī	150	1199	2	i
HD398Ø1	5 55 10.3 5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2782	1	130	1199	2	i
HD398Ø1	5 55 10.3 5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2808	1	110	1199	2	1
			HRS		2.0	ECH-B2Ø	282Ø	1	110	1199	2	_
HD398Ø1	5 55 10.3			ACCUM				1	120	1199	2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2845	1	120	1199		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2871	-			2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2883	1	125	1199	2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	2942	1	100	1199	2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	2969	1	100	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	Ø.25	ECH-B2Ø	2759	1	192	1195	Ø	1
HD398Ø1	5 55 10.3		HRS	ACCUM	Ø.25	ECH-B2Ø	2772	1	192	1195	Ø	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	55	1195	Ø	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	Ø.25	ECH-B21	2736	1	192	1195	Ø	1
HD398Ø1	5 55 10.3		HRS	ACCUM	Ø.25	ECH-B22	2596	1	192	1195	Ø	1
HD398Ø1	5 55 10.3		HRS	ACCUM	Ø.25	ECH-B24	2327	1	762	1195	Ø	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	2902	1	12Ø	1199	2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	2995	1	120	1199	2	1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	3022	1	140	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B21	26Ø2	1	32Ø	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2614	1	27Ø	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B21	2626	1	240	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B21	2638	1	210	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2650	1	17Ø	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B21	2662	1	140	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2674	1	110	1199	2	1
HD398Ø1	5 55 1Ø.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2686	1	120	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2698	1	13Ø	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2710	1	140	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2722	1	150	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2734	1	16Ø	1199	2	1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B21	2746	1	170	1199	2	1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B22	2495	1	180	1199		1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B22	2541	1	110	1199		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2564	ī	165	1199		
HD398Ø1	5 55 1Ø.3	_	HRS	ACCUM	2.0	ECH-B22	2575	ī	240	1199		ī
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2587	ī	245	1199		ī
HD398Ø1	5 55 1ø.3		HRS	ACCUM	2.0	ECH-B22	2621	ī	26ø	1199		ī
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B19	2929	î	100	1199		ī
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	<u>.</u> .	Total Lines
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B19	2955	1	9Ø	1199	2		· 1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B19	2982	ī	110	1199	2		ī
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B19	2876	1	135	1199	2		1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B19	2889	1	13Ø	1199	2		1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B19	3ØØ8	1	13Ø	1199	2		1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B19	3ø35	1	15Ø	1199	2		1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B2Ø	2732	1	17Ø	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2770	1	140	1199	2		1
HD398Ø1	5 55 10.3	7 24 25	HRS	ACCUM	2.0	ECH-B2Ø	2795	1	12Ø	1199	2		1
HD398Ø1	5 55 1Ø.3		HRS	ACCUM	2.0	ECH-B2Ø	2833	1	12Ø	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B2Ø	2858	1	120	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	25Ø6	1	16Ø	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2518	1	15Ø	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2529	1	13Ø	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2552	1	160	1199	2		1
HD398Ø1	5 55 10.3		HRS	ACCUM	2.0	ECH-B22	2598	1	25Ø	1199	2		1
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-B	2370	1	3Ø	1071	3 3		1
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1240	1	66	1071	_		1
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1252	1	54	1071	3		1
HD4Ø111	5 57 59.7 5 57 59.7		HRS HRS	WSCAN	Ø.25	ECH-A	153Ø 13 <b>Ø</b> 3	1 1	12Ø 48	1071 1071	3		1 1
HD4Ø111	5 57 59.7 5 57 59.7		HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A ECH-A	1334	1	66	1071	3		i
HD4Ø111 HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25 Ø.25	ECH-A	1356	1	114	1071	3		1
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1392	i	132	1071	3		i
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1558	ī	114	1071	3		î
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-B	1826	ī	60	1071	3		ī
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1191	ī	36	1071	3		ī
HD4Ø111	5 57 59.7		HRS	WSCAN	Ø.25	ECH-A	1547	1	138	1071	3		1
HD4Ø111	5 57 59.7	25 57 14	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	54	1071	3		1
HD4Ø111	5 57 59.7	25 57 14	HRS	WSCAN	Ø.25	ECH-B	2024	1	36	1071	3		1
HD4Ø111	5 57 59.7	25 57 14	HRS	WSCAN	Ø.25	ECH-B	2324	1	276	1071	3		1
HD4Ø111	5 57 59.7	25 57 14	HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	48	1071	. 3		1
HD41511	6 4 59.0	-16 29 4	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD41511	6 4 59.Ø	-16 29 4	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD41511		-16 29 4	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD41511	6 4 59.0		F0C/288	OCC	512X1024-F0.4			1	300	1275	2		_ 1
INCA221-37-AST1	6 8 23.8		FGS	POS	2	F55ØW		1	6Ø	1013	Ø	CON PAI	
INCA221-37-AST1		-15 35 57	FGS	POS	2	F55ØW		1	60	1013	2	CON PAI	
INCA221-37-AST1		-15 35 57	FGS	POS	2	F55ØW		1	120	1013	Ø	CON PAI	
INCA221-37-AST1	6 8 23.8		FGS	POS	2	F55ØW		1	120	1013	2	CON PAI	
INCA221-37-AST2		-15 37 39	FGS	POS	2	F55ØW		1	2	1013	Ø	CON PA	
INCA221-37-AST2	-	-15 37 39	FGS	POS	2	F55ØW		1	2	1013	2	CON PAI	
INCA221-37		-15 42 6 -15 42 6	PC PC	IMAGE IMAGE	P8 P8	F658N		1	2 2	1013 1013	Ø 2	CON CON	1 1
INCA221-37		-15 42 6 -15 42 40	PC	IMAGE	P8	F658N		1	6Ø	1013	ø	CON	î
Ø6Ø7-157INCA221-37 Ø6Ø7-157INCA221-37		-15 42 40	PC	IMAGE	P8	F6Ø6W F6Ø6W		1	6Ø	1013	2	CON	i
		-15 42 40	PC	IMAGE	P8	F725LP		i	120	1013	ø	CON	i
Ø6Ø7-157INCA221-37 Ø6Ø7-157INCA221-37		-15 42 40	PC	IMAGE	P8	F725LP		1	120	1013	2	CON	i
PKSØ6Ø7-157		-15 42 44	F0C/98	IMAGE	512X512	F43ØW		ī	1800	1234	ø	-011	ī
PKSØ6Ø7-157		-15 42 44	F0C/96	IMAGE	512X512	F342W		1	1800	1234	2		ī
LMC-WS4Ø		-67 56 20	PC	IMAGE	ALL	F5Ø2N		ī	150	1046	ø	ACQ	ī
LMC-WS4Ø		-67 56 20	PC	IMAGE	ALL	F664N		1	150	1046	_	ACQ	1
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## Fixed Targets

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tota	ı
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Line	3
LMC-WS4Ø	6 10 25.4	-67 56 20	FOS/BL	ACCUM	Ø.3	G16ØL		1	36Ø	1046	2			1
LMC-WS4Ø		-67 56 20	FOS/BL	ACCUM	1.0	G13ØH		1	36Ø	1046	2			ī
LMC-WS4Ø	4	-67 56 20	FOS/BL	ACCUM	1.0	G19ØH		1	36Ø	1046	2			ī
LMC-WS4Ø		-67 56 20	FOS/RD	ACCUM	Ø.3	PRISM		ī	48Ø	1046	2			ī
LMC-WS4Ø		-67 56 20	FOS/RD	ACCUM	1.0	G27ØH		ī	360	1046	2			ī
LMC-WS4Ø-OFFSET-STAR		-67 56 2Ø <b>*</b>		ACQ/BINA		MIRROR		ī	1	1046	2	ACQ		ī
FLD-H11		-69 5Ø 52	PC	IMAGE	ALL	F555W		_	15ØØ	1295	ī	PAR		ī
FLD-H11		-69 5Ø 52	PC	IMAGE	ALL	F785LP		ī	600	1295	ī	PAR		i
FLD-H11		-69 5Ø 52	PC	IMAGE	ALL	F785LP			1500	1295	î	PAR		î
HODGE11		-69 5Ø 48	WFC	IMAGE	ALL	F555W		ī	20	1113	ī	1 7414		ī
HODGE11		-69 5Ø 48	WFC	IMAGE	ALL	F555W		ī	200	1113	ī			ī
HODGE11		-69 5Ø 48	WFC	IMAGE	ALL	F555W			2200	1113	i			ī
HODGE11		-69 5Ø 48	WFC	IMAGE	ALL	F785LP		i	2200 20	1113	1			1
HODGE11		-69 5Ø 48	WFC	IMAGE	ALL	F785LP		i	200	1113	i			i
		-69 5Ø 48	WFC	IMAGE	ALL	F785LP		_	22ØØ	1113	1			i
HODGE11		-69 5Ø 52*		IMAGE	512X1Ø24	F342W		1	6ØØ	1295	2			1
H11-0FF		-69 50 52* -69 50 52*	• .	IMAGE	512X1024	F43ØW		_	1500	1295	2			
H11-0FF		-69 50 52* -69 50 52*	•	IMAGE	512X1024 512X1024	F48ØLP			1500	1295	2			1
H11-0FF				IMAGE	ALL	F555W		i	20	1113	3			
HODGE11-BKGRD	6 14 43.7			IMAGE	ALL	F555W		1	200	1113				1
HODGE11-BKGRD	6 14 43.7			IMAGE	ALL	F555W		_	200 2200		3			
HODGE11-BKGRD	6 14 43.7			IMAGE	ALL	F785LP		_		1113	3			1
HODGE11-BKGRD	6 14 43.7				<del>-</del>			1	2Ø	1113	3			1
HODGE11-BKGRD	6 14 43.7			IMAGE	ALL	F785LP		1	200	1113	3			1
HODGE11-BKGRD	6 14 43.7			IMAGE	ALL				2200	1113	3			1
MKN3	6 15 36.2		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	600	1227	2			1
MKN3	6 15 36.2		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	600	1227	2	100		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F194W		1	900	1036	Ø	ACQ		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F375N		1	900	1038	Ø	ACQ		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F5Ø2N		1	900	1038	Ø	ACQ		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F664N		3	300	1036	Ø	ACQ		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F23ØW		1	72Ø	1036	Ø	ACQ		1
MRK3	6 15 36.3		PC	IMAGE	ALL	F547M		1	18Ø	1036	Ø	ACQ		1
MRK3	8 15 36.3		FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø36	1	SEL		1
MRK3	6 15 36.3		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1ø36	1	SEL		1
MRK3	6 15 36.3		FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	1	SEL		1
MRK3	6 15 36.3		FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	1	SEL		1
MRK3	6 15 36.3		FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	1	SEL		1
MRK3	6 15 36.3	71 2 15	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	1	ACQ S	SEL	1
MRK3	6 15 36.3	71 2 15	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1036	2	ACQ S	SEL	1
MRK3	6 15 36.3	71 2 15	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1ø36	2	ACQ S	SEL	1
	0 10 00.0		. 557,5					-		1000	-	7194		-
MRK3-CLOUD1	6 15 36.3		FOS/BL	ACCUM	Ø.3	G13ØH		1	6ØØ	1036		SEL		1
MRK3-CLOUD1	6 15 36.3		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036		SEL		1
MRK3-CLOUD1	6 15 36.3		FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1ø36	_	SEL		1
MRK3-CLOUD1	6 15 36.3		FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1ø36		SEL		1
MRK3-CLOUD1	6 15 36.3		FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	1	SEL		1
MRK3-CLOUD2	6 15 36.3	71 2 15+	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1ø36	1	SEL		1
MRK3-CLOUD2	6 15 36.3	71 2 15+	FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1ø36	1	SEL		1
MRK3-CLOUD2	6 15 36.3	71 2 15*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	1	SEL		1
MRK3-CLOUD2	6 15 36.3	71 2 15*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1036	1	SEL		1

Target	RA (2ØØØ)			rating ode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
				•				•			•	•		
MRK3-CLOUD2	6 15 36.3	71 2 15* F	OS/RD A	CCUM	Ø.3	G57ØH	·	1	300	1Ø36	1	SEL		1
MRK3-CLOUD3	6 15 36.3	71 2 15+ F	OS/RD A	CCUM	Ø.3	G27ØH		1	300	1Ø36	2	SEL		1
MRK3-CLOUD3	6 15 36.3	71 2 15* F	OS/RD A	CCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
MRK3-CLOUD3	6 15 36.3	71 2 15+ F	OS/RD AC	CCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
MRK3-CLOUD3	6 15 36.3		OS/RD A	CCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
MRK3-CLOUD3	6 15 36.3	71 2 15+ F	OS/BL AC	CCUM	Ø.3	G13ØH		1	600	1036	2	CON S	SEL	1
MRK3-CLOUD3	6 15 36.3	71 2 15+ F	OS/BL AC	CCUM	Ø.3	G19ØH		1	3ØØ	1Ø36	2	CON S	SEL	1
MRK3-CLOUD4	6 15 36.3	71 2 15+ F	OS/RD AC	CCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
MRK3-CLOUD5	8 15 36.3	71 2 15+ F	OS/RD A		Ø.3	G57ØH		1	600	1036	2	SEL		1
MKN3	6 15 36.3	71 2 15 F	OC/48 IN	MAGE	512X512	F18ØLP		1	600	1228	2	CON		1
MKN3	6 15 36.3				512X512	F32ØW		1	600	1228	1			1
MKN3	6 15 36.3				512X512	F372M		1	900	1228	1			1
MKN3	6 15 36.3				512X512	F5Ø2M		1	600	1228	2			1
MKN3	6 15 36.3				512X512	F152M	1500	1	400	1228	1			1
MKN3	8 15 36.3				512X512	F502M	4950	1	400	1228	1			1
MKN3	6 15 36.3		•		512X512	F12ØM	1215	1	400	1228	1			1
MKN3	6 15 36.3				512X512	F19ØM	1975	1	400	1228	1			1
MKN3	6 15 36.3				512X512	F5Ø1N	5010	1	400	1228	1			1
MKN3	6 15 36.3				512X512	F55ØM	547Ø	1	400	1228	1	CO11		1
MKN3	8 15 38.3				256X1Ø24-SLIT				1200	1228	2	CON		1
OFFMKN3	6 15 36.3				ALL	F664N		1	900	1228	1	PAR		1
NGC2146-QS0	6 18 42.5			-	Ø.5	G27ØH			2000	1043	3			1
NGC2146-QS0	6 18 42.5				Ø.5	G13ØH			2000	1043	3	4.00		1
NGC2146-QS0	8 18 42.5			CQ/BINA		MIRROR		1	26	1043	3	ACQ		1
IC2165					ALL	F284W		1 1	2ØØ 6Ø	11Ø8 11Ø8	2 2			1
IC2185					ALL ALL	F439W F622W		1	30	1108	2			1
IC2185						F157W		i	36Ø	1108	2			-
IC2165					ALL ALL	F336W		i	18Ø	1108	2			1
IC2165 IC2165					ALL	F517N		i	180	1108	2			1
102105 A0620-00	6 22 44.6				1.0	F160LP		3	600	1094	1			i
NGC2257-BKGRD	6 29 1.Ø				ALL	F555W		1	20	1113	3			i
NGC2257-BKGRD					ALL	F555W		ī	200	1113	3			1
NGC2257-BKGRD					ALL	F555W			2200	1113	3			1
NGC2257-BKGRD	8 29 1.Ø				ALL	F785LP		ī	20	1113	3			ī
NGC2257-BKGRD	6 29 1.Ø				ALL	F785LP		i	200	1113	3			ī
NGC2257-BKGRD					ALL	F785LP			2200	1113	3			i
NGC2257	6 30 11.6				ALL	F555W		ī	20	1113	3			ī
NGC2257					ALL	F555W		ī	200	1113	3			ī
NGC2257					ALL	F555W		_	2200	1113	3			ī
NGC2257					ALL	F785LP		ī	20	1113	3			î
NGC2257					ALL	F785LP		ī	200	1113	3			ī
NGC2257					ALL	F785LP		_	2200	1113	3			i
NGC2237	6 31 40.7				ALL	F656N			1800	1072	ĭ			î
INCA221-39					2	F583W		î	51	1532	î			2
INCA221-39					2	F583W		ī	51	1532	2			2
Ø637-752INCA221-39					2	F583W		ī	51	1532	1			3
Ø637-752INCA221-39	6 35 46.5				2	F583W		ī	51	1532				3
POINTØ637-752INCA221				DINTING				ī	ø	1532	1			ĭ
-39														

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Tota Line	
POINTØ637-752INCA221	6 37 16.8	-75 <b>5</b> 54	S/C	POINTING	V1			1	Ø	1532	2			1
R-MON	6 39 9.8	8 44 9	PC	IMAGE	ALL	F7Ø2W		1	Ø	1121	3	ACQ		1
R-MON	6 39 9.8	8 44 9	PC	IMAGE	ALL-ND	F7Ø2W		ī	6Ø	1121	3			2
R-MON	6 39 9.8	8 44 9	PC	IMAGE	ALL	F6Ø6W POLØ		ī	5Ø	1121	3			ī
R-MON	6 39 9.8	8 44 9	PC	IMAGE	ALL	F6Ø6W POL6Ø		ī	5Ø	1121	3			ī
R-MON	6 39 9.8	8 44 9	PC	IMAGE	ALL	F6Ø6W POL12Ø	*	ī	5ø	1121	3			ī
CARINA-Ø64Ø24-5Ø55	6 41 48.5		WFC	IMAGE	ALL	F555W		ī	200	1110	ø			ī
CARINA-064024-5055	6 41 48.5		WFC	IMAGE	ALL	F555W		ī	2000	1110	ø			ī
CARINA-064024-5055	6 41 48.5	_	WFC	IMAGE	ALL	F785LP		ī	200	1110	ø			ī
CARINA-Ø64Ø24-5Ø55	6 41 48.5		WFC	IMAGE	ALL	F785LP		ī	1700	1110	ø			ī
HD48329	8 43 55.9	25 7 52	HRS	ACCUM	2.0	G2ØØM	1900	ī	480	1177	1			ī
HD48329	6 43 55.9		HRS	ACCUM	2.0	G14ØL	1428	ī	48Ø	1177	ī			î
HD48915-B		-16 43 35	HRS	ACCUM	Ø.25	G16ØM	1335	i	45	1214	3			î
HD48915-B		-16 43 35	HRS	ACCUM	Ø.25	G16ØM	1529	i	45	1214	3			i
HD48915-B		-16 43 35	HRS	ACCUM	Ø.25	G16ØM	1608	i	45	1214	3			1
HD48915A	6 45 8.8		PC	IMAGE	ALL	F5Ø2N	1000	4	3Ø	1062	1			4
HD48915A	6 45 8.8	_	PC	IMAGE	ALL	F631N		7	5Ø	1062	î			7
HD48915A		-16 42 59	PC	IMAGE	ALL	F889N		7	5Ø	1062	ī			7
HD48915A	6 45 8.8		PČ	IMAGE	ALL	F122M F889N		1	Ø	1062	ī			9
HD48915A	6 45 8.8		PČ	IMAGE	ALL	F122M F889N		i	ø	1062	i	ACQ		1
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	165Ø	1	6ØØ	1183	2	ACU		i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	3Ø35	i	147	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1658	1	627	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1666	1	653	1183	2			ī
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1668	1	525	1183	2			1
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1673	1	678	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1678	1	544	1183	2			1
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1684	1	562	1183	2			1
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1692	1	627	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2903	1	142	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2916	i	140	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2929	i	142	1183	2			ī
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2943	i	145	1183	2			1
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2956	1	143	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2969	i	152	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2982	i	15Ø	1183	2			î
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2996	i	149	1183	2			î
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	2876	i	145	1183	2			i
HD48915		-16 42 58	HRS	DSCAN	Ø.25	ECH-B	2889	i	143	1183	2			ī
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-B	3009	i	148	1183	2			ī
HD48915		-16 42 58	HRS	DSCAN	Ø.25	ECH-B	3022	i	148	1183	2			i
HD48915		-16 42 58	HRS	OSCAN	Ø.25	ECH-A	1681	1	759	1183	2			1
Ø642+449	6 46 32.Ø		WFC	IMAGE	ALL	F6Ø6W	1001	1	3000	1045	2	ACQ		1
Ø642+449	6 46 32.Ø		FOS/RD	ACQ/BINA		MIRROR		1	26	1045	2	•	CON	3
		_						1	26			SEL	CON	
Ø642+449	6 46 32.0	44 51 18	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235				1
Ø642+449	6 46 32.1		F0C/288	IMAGE	512X512	F1ND F342W		1	300	1236	Ø			1
HD5Ø241		-61 56 29	F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
HD5Ø241		-61 56 29	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2			1
HD5Ø241		-61 56 29	F0C/288	OCC	512X1Ø24-FØ,4	F342W POL6Ø		1	300	1275	2			1
HD50241	6 48 11.4	-61 56 29	F0C/288	BCC	512X1Ø24-FØ.4	F342W POL12Ø		1	3ØØ	1275	2			1

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Target	RA (2000)	Dec (2000)	Inst. O Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
MKN6	6 52 12.3	74 25 38	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
MKN6	8 52 12.3	74 25 38	F0C/288	IMAGE	512X512	F32ØW		1	6ØØ	1228	1		1
MKN6	6 52 12.3		F0C/288	IMAGE	512X512	F372M		1	900	1228	1		1
MKN6	6 52 12.3		F0C/288	IMAGE	512X512	F5Ø2M	4055	1	600	1228	2		1
MKN8	6 52 12.3		F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	400	1228	1		1
MKN6	6 52 12.3		F0C/98	IMAGE	512X512	F55ØM	5470	1	500	1228	1	CON	1
MKN6	6 52 12.3		FOC/48 WFC	SPEC IMAGE	256X1Ø24-SLIT ALL	F664N		1 1	1200 900	1228 1228	2 1	PAR	1 1
OFFMKN8 MK8	6 52 12.3 6 52 12.3		PC	IMAGE	ALL	F23ØW		1	1200	1037	1	ACQ	i
MK8	6 52 12.3 6 52 12.3		FOS/BL	ACCUM	Ø.3	G16ØL		i	600	1037	i	AC4	i
MK6	6 52 12.3 6 52 12.3		FOS/RD	ACCUM	Ø.3	G27ØH		ī	500	1037	ī		i
MK6	6 52 12.3		FOS/RD	ACCUM	Ø.3	G4ØØH		ī	300	1Ø37	ī		ī
MK6	6 52 12.3		FOS/RD	ACCUM	Ø.3	G57ØH		1	500	1037	1		ī
MK8	6 52 12.3		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø37	1	ACQ	1
MKNB	6 52 12.5		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	6ØØ	1227	2	•	1
MKN8	6 52 12.5	74 25 37	F0C/48	SPEC	256X1Ø24-SLIT		445Ø	1	600	1227	2		1
3C171	6 55 14.7	54 8 58	F0C/98	IMAGE	512X512	F19ØM		1	900	1228	1		1
3C171	6 55 14.7		F0C/98	IMAGE	512X512	F152M		1	600	1228	2		1
3C171	6 55 14.7		F0C/96	IMAGE	512X512	F32ØW		1	3ØØ	1228	2		1
3C171	6 55 14.7		F0C/96	IMAGE	512X512	F37ØLP		1	600	1228	1		1
3C171	6 55 14.7		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C171	6 55 14.7		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
PSRØ655+64	7 Ø 37.7		WFC	IMAGE	ALL	F702W		2	900	1101	1	ACQ	1
PSRØ655+64	7 Ø 37.7	64 18 12	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1 1	19187	1101	1		1
HD56139	7 14 48.8	-26 46 22	HRS	ACCUM	Ø.25	ECH-A	1248	1	3Ø	1147	3		1
HD56139	7 14 48.8	_	HRS	ACCUM	Ø.25	ECH-A	13Ø4	ī	3Ø	1147	3		ĩ
HD564Ø5	7 16 14.4		F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		ī
HD564Ø5	7 16 14.4	-15 35 8	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1
HD584Ø5	7 16 14.4	-15 35 8	F0C/288	OCC	512X1Ø24-FØ.4	F342W P0L6Ø		1	300	1275	2		1
HD564Ø5	7 16 14.4	-15 35 8	F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2		1
HD57Ø6Ø	7 18 40.4	-24 33 32	HRS	WSCAN	Ø.25	ECH-A	1240	1	39	1071	2		1
HD57Ø6Ø	7 18 40.4	-24 33 32	HRS	WSCAN	Ø.25	ECH-A	1252	1	32	1071	2		1
HD57Ø6Ø		-24 33 32	HRS	WSCAN	Ø.25	ECH-A	1530	1	72	1071	2		1
HD57Ø6Ø		-24 33 32	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	18	1071	2		1
HD57Ø6Ø		-24 33 32	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	28	1071	2		1
HD57Ø6Ø	7 18 40.4		HRS	WSCAN	Ø.25	ECH-A	1334	1	39	1071	2		1
HD57Ø6Ø		-24 33 32	HRS	WSCAN	Ø.25	ECH-A	1356	1	68	1071	2		1
HD57Ø6Ø		-24 33 32	HRS	WSCAN	Ø.25	ECH-A	1392	1	79	1071	2		1
HD57Ø6Ø	7 18 40.4		HRS	WSCAN	Ø.25 Ø.25	ECH-A ECH-A	1558	1	68	1071	2		1
HD57Ø6Ø	7 18 40.4		HRS	WSCAN	Ø.25	ECH-A	1191	1	21	1071	2		1 1
HD57Ø6Ø		-24 33 32	HRS HRS	WSCAN WSCAN	Ø.25	ECH-B	1547 18ø5	1 1	82 32	1071 1071	2		1
HD57Ø6Ø	7 18 40.4		HRS	WSCAN	Ø.25	ECH-B	1826	1	36	1071	2		1
HD57060		-24 33 32 -24 33 32	HRS	WSCAN	Ø.25	ECH-B	2024	1	21	1071	2		i
HD57060 HD57060		-24 33 32 -24 33 32	HRS	WSCAN	Ø.25	ECH-B	2324	i	168	1071			i
HD57Ø6Ø		-24 33 32 -24 33 32	HRS	WSCAN	Ø.25	ECH-B	2602	i	28	1071	2		î
FMA1083-10	7 27 55.1		WFC	IMAGE	ALL	F569W		1	Ø	1083		ACQ	2
FMA1083-10	7 27 55.1		HSP/PMT/V		1.0	F75ØW/F32ØN		î	1500	1083			2
I WUTDOO_TD	1 21 35.1	20 02 04	IS	<b></b> -				•	1000	2000	•		_
3C179	7 28 10.8	67 48 47	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C179	7 28 10.8		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	. 1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
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3C179	7 28 1Ø.8	67 48 47	F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON	1
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW	-	1	52	1000	Ø		8
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW		1	52	1000	1		2Ø
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW		1	52	1000	2		2Ø
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW		1	52	2929	Ø		8
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW		1	52	2929	1		20
NGC2392	7 29 10.5	20 54 43	FGS	POS	2	F55ØW		1	52	2929	2		20
NGC2392	7 29 10.5	20 54 43	FGS	TRANS	ANY	F583W		1	100	1000	Ø		1
NGC2392	7 29 10.5	20 54 43	FGS	TRANS	ANY	F583W		1	100	2929	Ø		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F157W		1	120	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F194W		1	120	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F437N		1	18Ø	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F469N		1	18Ø	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F487N		1	18Ø	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC PC	IMAGE	ALL	F5Ø2N		1	18Ø	1212	2		1
NGC2392	7 29 10.8	20 54 42	PC	IMAGE	ALL	F517N	1400	1	120	1212	2		1
NGC2392	7 29 10.8	20 54 42	HRS	ACCUM	2.0	G14ØL	1420	1	6Ø	1212	2		1
NGC2392	7 29 10.8 7 29 10.8	20 54 42	HRS	ACCUM	2.0	G14ØL	1250	1	3Ø	1212	2		1
NGC2392		20 54 42	HRS	ACCUM	2.0	G16ØM	1240		1200	1212	1		1
NGC2392 NGC2392-OFFSET	7 29 10.8 7 29 11.1	20 54 42 20 54 44*	HRS HRS	ACCUM	2.0	G14ØL G16ØM	167Ø 124Ø	1	18Ø 12ØØ	1212 1212	2		1
3AØ729+1Ø3	7 31 29.0	9 56 22	HSP/UV1	ACCUM	2.0		1240		368Ø	1090	3 1		1
NGC2403	7 36 48.4	84 35 59	FOC/96	PRISM	1.0	F248M/F135W		1	9ØØ	1056	2		1
NGC2403	7 36 48.4	64 35 59	FOC/288	IMAGE IMAGE	512X512 512X512	F275W F275W		_	1800	1056	2	CON S	1
NGC2403	7 36 48.4	64 35 59	FOC/48	SPEC	256X1Ø24-SLIT		4500		1000 5400	1056	2	CON S	
MKN9	7 36 56.9	58 48 13	F0C/98	IMAGE	512X512	F152M	1500	1	400	1227	2	CON 3	EL 1
MKN9	7 36 56.9	58 46 13	F0C/98	IMAGE	512X512 512X512	F5Ø2M	495Ø	1	400	1227	2		1
MKN9	7 36 56.9	58 46 13	F0C/96	IMAGE	512X512	F19ØM	1975	1	400	1227	2		1
MKN9	7 36 56.9	58 46 13	F0C/96	IMAGE	512X512	F55ØM	547Ø	î	400	1227	2		1
MKN9	7 36 56.9	58 46 13	F0C/48	SPEC	256X1Ø24-SLIT		0410	ī	5ØØ	1227	2		1
PKSØ735+178	7 38 7.4	17 42 21	HSP/UV2	STAR-SKY		F14ØLP		î	6ø	1099	1		10
PKSØ735+178	7 38 7.4	17 42 19	WFC	IMAGE	ANY	F128LP		_	1200	1191	ī		1
PKSØ735+178	7 38 7.4	17 42 19	WFC	IMAGE	ANY	F725LP			1800	1191	ī		i
PKSØ735+178	7 38 7.4	17 42 19	HRS	ACCUM	2.0	G14ØL	165ø		7000	1191	2		î
PKSØ735+178	7 38 7.4	17 42 19	HRS	ACCUM	2.0	G2ØØM	1900		0000	1191	2		i
PKSØ735+178	7 38 7.4	17 42 19	HRS	ACCUM	2.0	G27ØM	2205		75ØØ	1191	2		i
PKSØ735+178	7 38 7.4	17 42 19	HRS	ACQ/PEAK		MIRROR-N2		ī	5	1191	2		2
PKSØ735+178	7 38 7.4	17 42 19	FOS/BL	ACQ/BINA		MIRROR		ī	5	1191	ī	ACQ	ī
PKSØ735+178	7 38 7.4	17 42 19	FOS/BL	ACCUM	Ø.5	G16ØL	1675		1000	1191	ī		ī
P0INTØ736+Ø17INCA221 -42	7 38 30.8	1 34 48	s/c	POINTING		- <del></del>	20.0	ī	ø	1532	ī		ī
P0INTØ736+Ø17INCA221 -42	7 38 30.8	1 34 48	S/C	POINTING	V1			1	Ø	1532	2		1
INCA221-42	7 38 43.7	1 46 43	FGS	POS	2	F583W		1	51	1532	1		2
INCA221-42	7 38 43.7	1 46 43	FGS	POS	2	F583W		î	51	1532	2		2
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G16ØM	164Ø	ī	600	1176	3		ī
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G2ØØM	1900	1	9ø	1176	3		i
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G16ØM	155Ø	i	220	1176	3		i
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G14ØL	1304	i	220 8Ø	1176	3		1
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G14ØL	1574	i	8ø	1176	3		i
HD61421	7 39 15.7	5 12 39	HRS	ACCUM	2.0	G16ØM	1402	i	46Ø	1176	3		1
HD61421A	7 39 18.Ø	5 13 29	PC	IMAGE	ALL	F5Ø2N	7405	4	16Ø	1062	2		4.
			. •	- 1717 1 William				7	100	1202	_		7

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD61421A	7 39 18.0	5 13 29	PC	IMAGE	ALL	F631N		4	230	1062	2		4
HD61421A	7 39 18.0	5 13 29	PC	IMAGE	ALL	F889N		4	18Ø	1062	2		4
HD61421A	7 39 18.0	5 13 29	PC	IMAGE	ALL	F122M F889N		1	Ø	1062	2		2
HD61421A	7 39 18.0	5 13 29	PC	IMAGE	ALL	F122M F889N		1	Ø	1062	2	ACQ	1
Ø736+Ø17INCA221-42	7 39 18.1	1 37 4	FGS	POS	2	F583W		1	51	1532	1	•	3
Ø736+Ø17INCA221-42	7 39 18.1	1 37 4	FGS	POS	2	F583W		1	51	1532	2		3
HD61421	7 39 18.1	5 13 3Ø	HRS	ACCUM	Ø.25	ECH-B	2497	2	600	1064	Ø		ī
HD61421	7 39 18.1	5 13 30	HRS	ACCUM	Ø.25	G27ØM	2497	2	9Ø	1064	Ø		1
LFT-544	7 40 20.8		WFC	IMAGE	W2	F6Ø6W		1	25	1109	1		6
NGC244Ø-BKG	7 41 52.3		HRS	ACCUM	2.0	G14ØL	1240		1200	1212	2		1
NGC244Ø	7 41 54.4		WFC	IMAGE	ALL	F157W		1	300	1108	Ø		1
NGC244Ø		-18 12 34	WFC	IMAGE	ALL	F336W		1	100	11Ø8	Ø		ī
NGC244Ø		-18 12 34	WFC	IMAGE	ALL	F439W		1	6Ø	11Ø8	Ø		ī
NGC244Ø	7 41 54.4		WFC	IMAGE	ALL	F622W		1	3Ø	1108	Ø		ī
NGC244Ø		-18 12 34	WFC	IMAGE	ALL	F284W		ĩ	18Ø	11Ø8	Ø		ī
NGC244Ø		-18 12 34	WFC	IMAGE	ALL	F517N		1	18Ø	11Ø8	Ø		ï
NGC244Ø-STAR	7 41 55.3		PC	IMAGE	ALL	F517N		1	300	1212	Ø	ACQ	1
NGC244Ø-STAR	7 41 55.3	-18 12 31	PC	IMAGE	ALL	F437N		1	18Ø	1212	Ø	ACQ	1
NGC244Ø-STAR	7 41 55.3	-18 12 31	PC	IMAGE	ALL	F469N		1	18Ø	1212	Ø	ACQ	1
NGC244Ø-STAR	7 41 55.3	-18 12 31	PC	IMAGE	ALL	F487N		1	18Ø	1212	Ø	ACQ	1
NGC244Ø-STAR	7 41 55.3	-18 12 31	PC	IMAGE	ALL	F5Ø2N		1	180	1212	Ø	ACQ	1
NGC244Ø-STAR	7 41 55.3	-18 12 31	HRS	ACCUM	2.0	G14ØL	1240	1	1800	1212	2	•	1
MKN79	7 42 32.8	49 48 35	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
MKN79	7 42 32.8	49 48 35	F0C/288	IMAGE	512X512	F32ØW		1	3ØØ	1228	2		1
MKN79	7 42 32.8	49 48 35	F0C/288	IMAGE	512X512	F372M		1	600	1228	2		1
MKN79	7 42 32.8	49 48 35	F0C/288	IMAGE	512X512	F5Ø2M		1	600	1228	2		1
MKN79	7 42 32.8	49 48 35	F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2		1
MKN79	7 42 32.8	49 48 35	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
MKN79	7 42 33.1		F0C/98	IMAGE	512X512	F5Ø2M	495Ø	1	400	1227	2		1
MKN79	7 42 33.1		F0C/48	SPEC	256X1Ø24-SLIT			1	600	1227	2		1
MKN79	7 42 33.1		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	400	1227	2		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G27ØM	2590	1	9Ø	1200	2		1
HD62542		-42 13 48	HRS	ACCUM	2.0	G14ØL	139Ø	1	54	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G27ØM	2255	1	222	1200	2		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G16ØM	1235	18	318	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G27ØM	2044	1	234	1200	2		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G27ØM	22Ø4	1	258	1200	2		1
HD62542		-42 13 48	HRS	ACCUM	2.0	G27ØM	2329	1	210	1200	2		1
HD62542		-42 13 48	HRS	ACCUM	2.0	G16ØM	1553	2	348	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G2ØØM	1812	2	210	1200	2		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G16ØM	1486	3	318	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G16ØM	1268	5	324	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G16ØM	1303	5	294	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	ECH-B22	2585 1478	2	270	1200	2		1
HD82542		-42 13 46	HRS	ACCUM	2.0	ECH-A38	1476	3	13Ø2	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G14ØL	1243	1	125	1200	1		1
HD62542		-42 13 46	HRS	ACCUM	2.0	G27ØM	2852	1	113	1200	2		1
HD82542		-42 13 46	HRS	ACCUM	2.0	G16ØM	1346	5	311	1200	1	CON	1
MKN78	7 42 41.7		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
MKN78	7 42 41.7		F0C/288	IMAGE	512X512	F32ØW		1	300	1228	2		1
MKN78	7 42 41.7		F0C/288	IMAGE	512X512	F372M		1	600	1228	2		1
MKN78	7 42 41.7	<b>65 1Ø 37</b>	F0C/288	IMAGE	512X512	F502M		1	600	1228	2		1

Target	RA (2000)	Dec (2000)	Inst. O Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
MKN78	7 42 41.7	65 1Ø 37	F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2		1
MKN78	7 42 41.7	65 1Ø 37	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	ī
MKN78	7 42 41.8	65 1Ø 35	F0C/96	IMAGE	512X512	F165W	1500	1	600	1227	1		1
MKN78	7 42 41.8	65 1Ø 35	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	6ØØ	1227	1		1
MKN78	7 42 41.8	65 1Ø 35	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	600	1227	1		1
MKN78	7 42 41.8	65 1Ø 35	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	600	1227	2		1
MKN78	7 42 41.8	65 1Ø 35	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	445Ø	1	600	1227	2		1
HD62Ø44	7 43 18.7	28 53 Ø	HRS	ACCUM	SC2	G16ØM	136Ø	1	10	1159	1	CAL	1
HD62Ø44	7 43 18.7	28 53 Ø	HRS	RAPID	2.0	G16ØM	136Ø	1	1643	1159	1		1
FMA1Ø83-8	7 43 45.8	24 57 32	WFC	IMAGE	ALL	F569W		1	Ø	1083	2	ACQ	2
FMA1Ø83-8	7 43 45.8	24 57 32	HSP/PMT/V IS		1.0	F75ØW/F32ØN		1	1500	1Ø83	2		2
HD63Ø77	7 45 35.2	-34 1Ø 23	HRS	ACCUM	Ø.25	G27ØM	2497	2	420	1064	3	CON	SEL 1
PKSØ745-19		-19 17 41	F0C/96	IMAGE	512X512	F13ØM		1	900	1251	2		1
PKSØ745-19		-19 17 41	F0C/96	IMAGE	512X512	F55ØM		1	900	1251	2	CON	1
PKSØ745-19		-19 17 41	F0C/48	SPEC	256X1Ø24-SLIT		4000	1	900	1251	2	CON	1
BPM4729		-67 47 31	FOS/BL	ACCUM	Ø.5	PRISM	3675	1	300	1050	Ø		1
BPM4729		-67 47 31	FOS/BL	ACCUM	Ø.5	G16ØL	1725		1500	1050	Ø		1
BPM4729		-67 47 31	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	1200	1050	Ø		1
BPM4729		-67 47 31	FOS/BL	ACQ/BINA		MIRROR		1	3	1050	Ø	AÇQ	1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	153Ø	1	48	1071	2		1
HD8476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	12	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1303	1	19	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1356	1	45	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1558	1	45	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1240	1	26	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1252	1	21	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1334	1	26	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-A	1392	1	52	1071	2		1
HD6476Ø HD6476Ø	7 53 18.2		HRS HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A ECH-A	1191	1	14	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25 Ø.25	ECH-B	1547	1	55	1071	2		1
HD6476Ø	7 53 18.2		HRS	WSCAN	Ø.25	ECH-B	1826	1	24	1071	2		1
HD8476Ø	7 53 18.2 7 53 18.2		HRS	WSCAN	Ø.25	ECH-B	2024 2602	1 1	14	1071	2		1
HD6476Ø			HRS	WSCAN	Ø.25 Ø.25	ECH-B	1805	_	19	1071	2		1
0I287	7 53 18.2 7 55 37.1		FOS/RD	ACCUM	Ø.5	PRISM	54ØØ	1 1	21 144ø	1071	2		1
01287	7 55 37.1		FOS/RD	ACQ/BINA		MIRROR	5400	1	33	1029 1029	2	4.00	3
01+090.4	7 57 6.7		HSP/UV2	SINGLE	1.0	F14ØLP		1	53 6Ø	1029	2	ACQ	1
0I+090.4	7 57 6.7		HSP/POL	SINGLE	POLØ	F277M		1	6Ø	1099	2		1Ø 2Ø
01+090.4	7 57 6.7		HSP/UV2	PEAKUP	10.0	F14ØLP		1	6Ø	1099	2	400	1Ø
0I+090.4	7 57 6.7		HSP/POL	SINGLE	POL45	F277M		i	6Ø	1099		ACQ	20
0I+Ø9Ø.4	7 57 6.7		HSP/POL	SINGLE	POL9Ø	F277M		1	6Ø	1099	2		20 20
0I+090.4	7 57 6.7		HSP/POL	SINGLE	P0L135	F277M		1	60	1099	2		20 20
01090.4	7 57 6.7		FOS/BL	ACQ/BINA		MIRROR		1				ACO	
01090.4	7 57 6.7	· ·	FOS/RD	ACQ/BINA		MIRROR		1	11 11	1029 1029	2	ACQ ACQ	1 1
01090.4	7 57 6.7		FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	2	ACU	2
01090.4	7 57 6.7	_	FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029	2		1
01090.4	7 57 6.7		FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1500				
01090.4	7 57 6.7		FOS/RD		Ø.7X2.Ø-BAR	MIRROR	1919			1029	2	100	1
01090.4	7 57 6.7		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	1 500	1029		ACQ	1
QØ754+39	7 58 Ø.1		F0C/96	IMAGE	512X512	F43ØW	0331	1	1500	1029	2 Ø		1 1
QØ754+39	7 58 Ø.1		F0C/96	IMAGE	512X512	F342W		1 1	1800 1800	1234 1234			1
40.07.00	, 50 0.1	33 20 30	. 50,50	#:#/TWL	V-=/\V-E	1211		Τ.	TOND	1234	2		1

Target f	RA (2000) Dec (29		Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines
FMA1Ø83-7 FMA1Ø83-7	8 Ø 46.1 23 13 8 Ø 46.1 23 13	7 35 HSP/PMT/	IMAGE V SPLIT	ALL 1.0	F569W F75ØW/F32ØN		1	ø 15øø	1Ø83 1Ø83	2 2	ACQ	2 2
3C191 3C191	8 4 48.0 10 15 8 4 48.0 10 15 8 4 48.0 10 15	24 FOC/96	IMAGE IMAGE	512X512 512X512	F372M F430W F180LP		1 1 1	9ØØ 6ØØ 6ØØ	1228 1228 1228	2 2 2	CON	1 1 1
3C191 3C191 Z-CHA	8 4 48.Ø 1Ø 18 8 7 28.6 -76 33	5 24 FOC/48 2 1 HSP/UV1	IMAGE SPEC SINGLE	512X512 256X1024-SLIT 1.0	GRAT-PRISM F135₩		1 1 1	1200 7200 300	1228 1092 1236	2 1 Ø	CON	1 2Ø
Ø8Ø5+Ø46 HD68273 HD68273	8 9 32.0 -47 26 8 9 32.0 -47 26		IMAGE WSCAN WSCAN	512X512 Ø.25 Ø.25	F342W ECH-A ECH-B	153Ø 237Ø	1 1 1	48 12 19	1071 1071 1071	Ø		1 1 1
HD68273 HD68273 HD68273	8 9 32.0 -47 26	7 12 HRS 7 12 HRS	WSCAN WSCAN WSCAN	Ø.25 Ø.25 Ø.25	ECH-A ECH-A	1303 1356 1240 1252	1 1 1	45 26 21	1071 1071 1071 1071	Ø Ø Ø		1 1 1
HD68273 HD68273 HD68273		7 12 HRS 7 12 HRS	WSCAN WSCAN WSCAN	0.25 0.25 0.25	ECH-A ECH-A ECH-A ECH-A	1334 1392 1191	1 1 1	26 52 14	1071 1071 1071 1071	Ø Ø Ø		1 1 1
HD68273 HD68273 HD68273 HD68273	8 9 32.0 -47 20	5 12 HRS 5 12 HRS	WSCAN WSCAN WSCAN WSCAN	Ø.25 Ø.25 Ø.25 Ø.25	ECH-A ECH-B ECH-B	1547 2602 1805	1 1 1	55 19 21	1071 1071 1071	Ø Ø Ø		1 1 1
3C196 3C196 3C196 3C196	8 13 36.0 48 13 8 13 36.1 48 13 8 13 36.1 48 13	3 PC 3 2 WFC	IMAGE IMAGE ACCUM	ALL ANY 1.0	F6Ø6W F128LP G16ØL	1675	1 1 1	1200 1200 1000	1Ø58 1193 1193	2 1 1		1 1 1
3C196 3C196 3C196	8 13 36.1 48 13 8 13 36.1 48 13 8 13 36.1 48 13	2 FOS/RD 2 FOS/RD	ACQ/BINA ACQ/BINA ACCUM	4.3	MIRROR MIRROR G19ØH	1943	1 1 1	11 11 4000	1193 1193 1193	1 2 2	ACQ ACQ	1 1 1
AI-VEL RX-PUP RX-PUP	8 14 5.1 -44 34 8 14 12.3 -41 42 8 14 12.3 -41 42	32 HSP/VIS 29 FOC/96	PRISM IMAGE IMAGE	1.Ø 512X512 512X512	F551W/F24ØW F278M F5Ø1N			10800 600 600	11Ø3 1253 1253	Ø 1 1		1 1 1
VV-PUP PKSØ812+Ø2Ø PKSØ812+Ø2Ø	8 15 6.6 -19 3 8 15 22.8 1 55 8 15 22.8 1 55	5 HRS 5 6 FOC/96	ACCUM IMAGE IMAGE	2.Ø 512X512 512X512	G14ØL F17ØM F18ØLP	152Ø	1 1 1	300 600 600	1155 1228 1228	2 2 2	CON	8 1 1
PKSØ812+02Ø Ø812+02Ø Ø812+02Ø	8 15 22.8 1 5	6 FOC/48 59 FOC/288	SPEC IMAGE IMAGE	256X1Ø24-SLIT 512X512 512X512			1 1 1	1200 300 1740	1228 1236 1Ø58	2 2 1	CON	1 1 1
HD7ØØ6Ø HD7ØØ6Ø HD7ØØ6Ø		34 FOC/288 34 FOC/288	OCC OCC	512X1024-F0.4 512X1024-F0.4 512X1024-F0.4	F486N F8ND		1 1 1	300 100 300	1275 1275 1275	2 2 2		1 1 1
HD70060 0J-131 0824+110	8 20 57.4 -12 58	34 FOC/288	OCC STAR-SKY IMAGE		F342W P0L12Ø F14ØLP F342W		1 1 1	3ØØ 6Ø 3ØØ	1275 1Ø99 1236	2 2 2		1 1ø 1
POINTØ826-373INCA221 -45 Ø826-373INCA221-45	8 27 17.4 -37 38 8 28 4.8 -37 33	8 5Ø S/C	POINTING POS	V1 2	F583W		1	Ø 51	1532 1532			2 7
INCA221-45 PSRØ833-45 PSRØ833-45	8 28 12.3 -37 43 8 35 20.7 -45 16 8 35 20.7 -45 16	38 WFC	POS IMAGE SINGLE	2 ALL 1.0	F583W F555W F135W		1 2 1	51 600 3600	1532 1101 1101	1	ACQ	4 1 4
PSRØ833-45 PSRØ833-45 BD+67D552 BD+67D552	8 35 20.7 -45 16 8 35 20.7 -45 16 8 36 30.7 67 13 8 36 30.7 67 13	38 HSP/VIS 40 FGS	SINGLE SINGLE TRANS TRANS	1.0 1.0 ANY ANY	F218M F551W F583W F583W		1 1 1	3600 3600 1000 1000	1101 1101 1003 1003			4 4 2 2

Fixed Targets

Target RA	A (2000)	Dec (2000)	Inst. Op Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines
BD+67D552 8	36 30.7	67 17 40	FGS	TRANS	ANY	F583W		1	1000	1003	2		1
3C2Ø5	3 39 6.5	57 54 17	PC	IMAGE	ALL	F6Ø6W		1	1200	1Ø58	2		1
3C2Ø5	3 39 6.5	57 54 17	PC	IMAGE	ALL	F128LP		1	2125	1Ø32	2	ACQ	1
	39 6.5	57 54 17	PC	IMAGE	ALL	F85ØLP		1	2125	1Ø32	2	ACQ	1
3C2Ø5	39 6.5	57 54 17	FOS/RD	ACCUM	Ø.5	G65ØL		1	84Ø	1Ø32	2	CON S	EL 1
3C2Ø5 8	3 39 6.5	57 54 17	FOS/RD	ACCUM	Ø.5	PRISM		1	840	1032	2	CON S	
3C2Ø5	39 6.5	57 54 17	FOS/RD	ACQ/BINA		MIRROR		1	6	1032	2	ACQ C	
3C2Ø5		57 54 17	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		_	7659	1032	2	CON S	
3C2Ø5		57 54 17	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		_	7659	1032	2	CON S	
3C2Ø5		57 54 17	FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	3Ø	1032	2	ACQ C	
SKY7		57 54 17*		ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500		2125	1032	2	PAR	2
3C2Ø6		-12 14 34	WFC	IMAGE	ALL	F725LP		1	12	1116	3		1
3C2Ø6		-12 14 34	WFC	IMAGE	ALL	F725LP			1700	1116	3		1
3C206			WFC	IMAGE	ALL	F725LP		1	212	1116	3		1
4029.30		29 49 12	F0C/98	IMAGE	512X512	F13ØM		1	600	1228	2		1
4029.30		29 49 12	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
4C29.3Ø 8		29 49 12 29 49 12	FOC/98 FOC/48	IMAGE IMAGE	512X512 512X512	F37ØLP F18ØLP		1	300 600	1228 1228	2	CON	1
1020100		29 49 12	F0C/48	SPEC	256X1Ø24-SLIT			1 1	1200	1228	2	CON	1
1020.00		19 4 16	WFC	IMAGE	ALL	F569W		1	1200 Ø	1082	1	ACQ	2
00 1200 4000	3 41 7.4	19 4 16	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN			1500	1082	i	AC Q	2
PD+13D9000	71 1.7	19 4 10	IS / I MI/V	J. L.I.	1.0	175011/152014		•	1500	1002	-		- 4
	45 29.7	18 49 3	FGS	POS	2	F5ND		1	52	1010	1		1
	3 45 29.7	18 49 3	FGS	POS	2	F5ND		1	52	1010	1	CON	20
Ø843+136		13 28 59	F0C/288	IMAGE	512X512	F342W		1	300	1236	2		1
QØ844+37		37 32 17	F0C/98	IMAGE	512X512	F43ØW			1800	1234	Ø		1
_	3 47 16.1	37 32 17	F0C/96	IMAGE	512X512	F342W		_	1800	1234	2	6011	1
QØ844+37		37 32 17	FOC/48 WFC	SPEC	256X1Ø24-SLIT				9000	1234	1	CON	1
1,02000	3 48 4.3	18 37 44 18 37 44	HSP/PMT/V	IMAGE	ALL 1.0	F569W		1	1500	1Ø83 1Ø83	1	ACQ	2 2
FJ1Ø83-6	3 48 4.3	10 31 44	IS	SECTI	1.0	F75ØW/F32ØN		1	1500	1003	1		<del>,</del>
	48 52.9	44 17 58*		IMAGE	ALL	F785LP			3599	1282		PAR	1
LYNX3-21Ø		44 17 58	F0C/48	IMAGE	512X1Ø24	F13ØLP		_	1799	1282			1
0846+100		9 49 21	FOS/RD	ACQ/BINA		MIRROR		1	25	1154		ACQ	1
0846+100		9 49 21	FOS/RD	ACCUM	2.Ø-BAR	G65ØL	6000	_	1800	1154	Ø		2
F193		11 53 35	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	100	1040	1		1
F193		11 53 35	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	100	1040		4.00	1
F193 8		11 53 35	FOS/RD PC	ACQ/BINA IMAGE	ALL	MIRROR		1	Ø	1040	1	ACQ	2 1
	3 53 32.9	51 18 50	PC	IMAGE	ALL	F555W		1	23	1118			
NGC2681-NUC 8		51 18 50	PC PC	IMAGE	ALL	F555W		1	230	1118			1
NGC2881-NUC 8		51 18 50	PC	IMAGE	ALL	F785LP		1	20	1118			1
NGC2881-NUC 8		51 18 50	F0C/98	IMAGE		F785LP		1	200	1118			_
.,		51 18 54 51 18 54	F0C/98	IMAGE	512X512 512X512	F275W F275W		1	900	1056		CON	1
NGC2681			• • • • • • • • • • • • • • • • • • •	SPEC			4500	1	1800	1056		CON	
	3 53 33.Ø	51 18 54 18 14 1	FOC/48 WFC	IMAGE	256X1Ø24-SLIT ALL	G450M F569W	4500	1	5400	1056		CON S	SEL 1 2
		18 14 1 18 14 1			1.0			1	1500	1082	_	ACQ	2
BD+18DØ917 8	3 53 56.0	10 14 1	HSP/PMT/V IS	JI LI I	1.5	F75ØW/F32ØN		1	1500	1Ø82	1		2
	3 54 Ø.6	20 13 49	FGS	POS	2	F5ND		1	51	1532			5
	54 5.3	-6 44 27	S/C	POINTING				1	Ø	1014		CON	1
	3 54 47.1	20 18 17	s/c	POINTING	A1			1	Ø	1532	2		2
-50													

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
Ø851+2Ø2INCA221-5Ø	8 54 48.9	20 6 32	FGS	POS	2	F55ØW		1	51	1532	2		. 7
0J287	8 54 48.9	20 6 30	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1Ø29	1	ACQ	1
0J287	8 54 48.9	20 6 30	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø29	1	ACQ	1
0J287	8 54 48.9	20 6 30	FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1Ø29	1		2
0J287	8 54 48.9	20 6 30	F0S/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1Ø29	1		1
0J287	8 54 48.9	20 6 30	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1500	1Ø29	1		1
0J287	8 54 48.9	20 6 30	FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	1	1029	1	ACQ	1
0J287	8 54 48.9	20 6 30	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	1500	1029	1		1
0J+287	8 54 48.9	20 6 31	HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1099	1		10
POINT-CP13.1	8 55 40.4	-6 44 40	S/C	POINTING		00764	0.407	1	Ø	1014	1		1
HD76932	8 58 43.9		HRS	ACCUM	Ø.25	G27ØM	2497	2	138Ø	1064	3		1
HD77581	9 2 6.8		HRS	ACCUM	Ø.25	G16ØM	139Ø	1	18Ø	1152	2		3
HD77581	9 2 8.8		HRS	ACCUM	Ø.25	G16ØM	1545	1 1	120	1152	2		3
4UØ9ØØ-4Ø	9 2 6.8		HSP/UV1	PRISM	1.0	F248M/F135W F22ØW		1	3ØØØ 2Ø	1Ø91 1Ø97	1 Ø		1
HD77581	9 2 6.9		HSP/UV1	SINGLE	1.0	F220W F145M		1	20	1097	Ø		-
HD77581	9 2 6.9		HSP/UV2 HSP/UV2	SINGLE SINGLE	1.Ø 1.Ø	F146W		1	2Ø	1097	ø		1
HD77581 HD77581	9 2 6.9 9 2 6.9		HSP/UV2	SINGLE	1.0	F248M		ī	20	1097	ø		10
HD77581	9 2 6.9		HSP/UV2	SINGLE	1.0	F284M		î	20	1097	ø		1
HD77581	9 2 6.9		HSP/POL	PEAKUP	6.0	F16ØLP		ī	6ø	1097	ø	ACQ	i
HD77581	9 2 6.9		HSP/POL	SINGLE	POLØ	F216M		ī	3Ø	1097	ø	71.04	ī
HD77581	9 2 6.9		HSP/POL	SINGLE	POLØ	F237M		ī	3Ø	1097	ø		ī
HD77581	9 2 6.9		HSP/POL	SINGLE	POLØ	F277M		1	3Ø	1097	Ø		1ø
HD77581	9 2 6.9		HSP/POL	SINGLE	POLØ	F327M		1	3Ø	1097	Ø		10
HD77581	9 2 6.9		HSP/UV1	PEAKUP	10.0	F14ØLP		1	6Ø	1097	Ø	ACQ	1
HD77581	9 2 6.9	-40 33 17	HSP/UV2	PEAKUP	10.0	F14ØLP		1	6Ø	1097	Ø	ACQ	9
HD77581	9 2 6.9	-40 33 17	HSP/POL	SINGLE	POL45	F216M		1	3Ø	1Ø97	Ø		1
HD77581	9 2 6.9	-40 33 17	HSP/POL	SINGLE	POL45	F237M		1	3Ø	1097	Ø		1
HD77581	9 2 8.9		HSP/POL	SINGLE	POL45	F277M		1	3Ø	1097	Ø		1Ø
HD77581	9 2 6.9		HSP/POL	SINGLE	POL45	F327M		1	3Ø	1Ø97	Ø		10
HD77581	9 2 6.9		HSP/POL	SINGLE	POL9Ø	F216M		1	3Ø	1097	Ø		1
HD77581	9 2 6.9		HSP/POL	SINGLE	P0L9Ø	F237M		1	3Ø	1097	Ø		.1
HD77581	9 2 6.9		HSP/POL	SINGLE	POL9Ø	F277M F327M		1	3Ø	1097	Ø		10
HD77581	9 2 6.9		HSP/POL	SINGLE SINGLE	P0L9Ø P0L135	F216M		1 1	3Ø 3Ø	1Ø97 1Ø97	Ø		10
HD77581		-40 33 17	HSP/POL HSP/POL	SINGLE	P0L135	F237M		1	3Ø	1097	Ø		1 1
HD77581	9 2 6.9 9 2 6.9		HSP/POL	SINGLE	P0L135	F277M		i	3Ø	1097	ø		10
HD77581 -HD77581	9 2 6.9		HSP/POL	SINGLE	P0L135	F327M		i	3Ø	1097	ø		10
QØ9Ø3+176	9 6 38.2		FOS/RD	ACCUM	1.0	PRISM		ī	300	1146	2		1
QØ9Ø3+176	9 6 38.2		FOS/BL	ACQ/BINA		MIRROR		ī	11	1146	2	ACQ	î
QØ9Ø3+176	9 6 38.2		FOS/RD	ACQ/BINA		MIRROR		ī	ii	1146	2	ACQ	ī
QØ9Ø3+176	9 6 38.2		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	600	1146	2		ī
HD78316	9 7 44.8	10 40 4	HRS	WSCAN	Ø.25	G27ØM	2535	1	1052	1182			ī
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	ECH-A	1362	1	381	1182			ī
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	ECH-B	1942	1	2Ø3	1182			1
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	ECH-B	1849	1	244	1182	2		1
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	ECH-B	2536	1	141	1182			1
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	G16ØM	1268	1	127	1182	2		1
HD78316	9 7 44.8	10 40 4	HRS	ACCUM	Ø.25	G27ØM	3131	1	99	1182			1
HD78316	9 7 44.8	10 40 4	HRS	WSCAN	Ø.25	G2ØØM	1859	1	473	1182			1
HD78316	9 7 44.8	10 40 4	HRS	WSCAN	Ø.25	G16ØM	1499	1	1Ø88	1182			1
HD78647	9 7 59.8	-43 25 57	HRS	ACCUM	2.0	G2ØØM	1994	1	600	1195	3		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines	
HD78647	9 7 59.8	-43 25 57	HRS	ACCUM	2.0	G14ØL	1314	1	762	1195	3		1	l
HD78647		-43 25 57	HRS	ACCUM	Ø.25	ECH-B2Ø	2759	1	33Ø	1195	3		ī	
HD78647	9 7 59.8		HRS	ACCUM	Ø.25	ECH-B2Ø	2772	1	33Ø	1195	3		1	
HD78647	9 7 59.8	-43 25 57	HRS	ACCUM	Ø.25	ECH-B24	2327	1	384	1195	3		1	
HD78647	9 7 59.8	-43 25 57	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	136	1195	3		1	
3C217	9 8 50.8	37 48 19	WFC	IMAGE	ALL	F622W		1	2700	1070	1		1	L
3C217	9 8 50.8	37 48 19	WFC	IMAGE	ALL	F85ØLP		1	2700	1070	1		1	
3C216	9 9 33.5	42 53 46	F0C/96	IMAGE	512X512	F21ØM		1	600	1228	2		1	L
3C218	9 9 33.5	42 53 46	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1	
3C216	9 9 33.5	42 53 46	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1	Ĺ
3C216	9 9 33.5	42 53 46	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	L
OFFSET-Ø9Ø8+484	9 10 9.2	48 13 43*	FOS/RD	ACCUM	2.Ø-BAR	PRISM	3675	1	1800	1154	2		1	L
Ø9Ø8+484	9 10 10.0	48 13 42	FOS/RD	ACCUM	4.3	G65ØL	6000	1	3Ø	1154	2		1	
Ø9Ø6+484	9 10 10.0	48 13 42	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1154	2	ACQ	1	
Ø9Ø6+484	9 10 10.0	48 13 42	FOS/RD	ACCUM	2.Ø-BAR	G65ØL	6000	1	1800	1154	2		1	
INCA221-53	9 15 33.2	29 47 33	FGS	POS	2	F583W		1	51	157Ø	1		2	
INCA221-53	9 15 33.2	29 47 33	FGS	POS	2	F583W		1	51	157Ø	2		2	
Ø912+297INCA221-53	9 15 52.4	29 33 24	FGS	POS	2	F583W		1	51	157Ø	1		3	
Ø912+297INCA221-53	9 15 52.4	29 33 24	FGS	POS	2	F583W		1	51	1570	2		3	
NGC2815-NUC	9 16 19.6		PC	IMAGE	ALL	F785LP		1	11	1118	3		1	
NGC2815-NUC	9 16 19.6		PC	IMAGE	ALL	F785LP		1	110	1118	3		1	
NGC2815-NUC	9 16 19.6		PC	IMAGE	ALL	F555W		1	15	1118	3		1	
NGC2815-NUC	9 16 19.6	-23 38 Ø	PC	IMAGE	ALL	F555W		1	153	1118	3		1	
POINTØ912+297INCA221	9 16 27.4	29 42 49	S/C	POINTING	V1			1	Ø	157Ø	1		1	L
-53 POINTØ912+297INCA221 -53	9 16 27.4	29 42 49	s/c	POINTING	V1			1	Ø	157Ø	2		1	L
MKN7Ø4	9 18 25.6	16 18 20	F0C/96	IMAGE	512X512	F152M	1500	1	400	1227	2		1	,
MKN7Ø4	9 18 25.6	16 18 20	F0C/98	IMAGE	512X512	F5Ø2M	4950	ī	400	1227	2		1	
MKN7Ø4	9 18 25.6	16 18 20	F0C/96	IMAGE	512X512	F19ØM	1975	ī	400	1227	2		1	
MKN7Ø4	9 18 25.6	16 18 20	F0C/96	IMAGE	512X512	F5Ø1N	5Ø1Ø	1	400	1227	2		1	
MKN7Ø4	9 18 25.6	16 18 20	F0C/96	IMAGE	512X512	F55ØM	5470	1	400	1227	2		1	
MKN7Ø4	9 18 25.6	16 18 20	F0C/48	SPEC	256X1Ø24-SLIT		••	ī	500	1227	2			1
NGC2841	9 22 1.7	50 58 31	F0C/96	IMAGE	512X512	F275W		ī	900	1056	1		1	
NGC2841	9 22 1.7	50 58 31	F0C/288	IMAGE	512X512	F275W		1	1800	1056	2	CON :		1
NGC2841	9 22 1.7	50 58 31	F0C/48	SPEC	256X1Ø24-SLIT		4500	1	5400	1056	2	CON		1
G117-B15A	9 24 16.5	35 16 54	HSP/UV1	PRISM	1.0	F248M/F135W		1 3	36000	1Ø93	1		1	1
PGØ923+2Ø1	9 25 54.8	19 54 7	WFC	IMAGE	ALL	F7Ø2W		1	1000	1Ø15	2			1
SKY-BG18	9 25 54.8	19 54 7#	FOS/RD	ACCUM	1.0	G65ØL	6232	1	1000	1015	1	PAR	1	1
POINT-CP1.2	9 31 16.7	<b>-7 10 49</b>	s/c	POINTING	V1			1	Ø	1014	1	CON	1	1
NGC29Ø3-17ØS-131W	9 32 Ø.3	21 27 13*	WFC	IMAGE	ALL	F336W		1	2300	1119	1		1	1
NGC29Ø3-17ØS-131W	9 32 Ø.3	21 27 13*	WFC	IMAGE	ALL	F555W		1	2300	1119	1		12	2
NGC29Ø3-17ØS-131W	9 32 Ø.3	21 27 13*	WFC	IMAGE	ALL	F785LP		1	2300	1119	1		4	4
POINT-CP1.1	9 32 28.5	-7 26 37	S/C	POINTING	V1			1	Ø	1014	1		1	1
HD82328	9 32 53.4	51 40 38	HRS	ACCUM	Ø.25	ECH-B	2497	2	1500	1064	Ø		1	1
HD82328	9 32 53.4	51 40 38	HRS	ACCUM	Ø.25	G27ØM	2497	2	240	1064	Ø			1
IZW18	9 34 2.1	55 14 27	PC	IMAGE	ALL	F85ØLP		1	2500	1246	2			1
IZW18	9 34 2.1	55 14 27	F0C/96	IMAGE	512X512	F342W		1	1000	1246	2		;	1
IZW18	9 34 2.1	55 14 27	F0C/96	IMAGE	512X512	F165W		1	2200	1246				1
QØ932+5Ø1	9 35 53.0	49 53 15	FOS/RD	ACCUM	1.0	PRISM		1	300	1146	2			1
QØ932+5Ø1	9 35 53.0	49 53 15	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1146	2	ACQ	:	1
QØ932+5Ø1	9 35 53.Ø	49 53 15	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1146	2	ACQ	;	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spe Cy. Re	
QØ932+5Ø1	9 35 53.6	49 53 15	FOS/BL	ACCUM	1.0	G16ØL	1837	1	600	1146	2	1
GAL-CLUS-Ø93942+4713			•	IMAGE	ALL	F555W		1	2200	1115	3	1
Ø6-FLD2 GAL-CLUS-Ø93942+4713	9 42 37.6	46 58 16*	WEC	IMAGE	ALL	F7Ø2W		1	2200	1115	3	1
Ø6-FLD2	9 42 37.0	, 40 00 104	WI C	IMAGE	ALL	F / DZ II		-	2200	1110	·	
GAL-CLUS-Ø93942+4713 Ø6-FLD3	9 42 51.6	47 Ø 5Ø*	WFC	IMAGE	ALL	F555W		1	2200	1115	3	1
GAL-CLUS-Ø93942+4713	9 42 51.6	47 Ø 5Ø*	WFC	IMAGE	ALL	F7Ø2W		1	2200	1115	3	1
Ø6-FLD3 GAL-CLUS-Ø93942+4713	9 42 56.6	46 58 5Ø	WFC	IMAGE	ALL	F555W		1	2200	1115	3	1
Ø8-FLD1									2222		•	
GAL-CLUS-Ø93942+4713 Ø6-FLD1	9 42 56.6	46 58 50	WFC	IMAGE	ALL	F7Ø2W		1	2200	1115	3	1
3C226	9 44 16.8	9 46 16	WFC	IMAGE	ALL	F555W		1	2700	1070	1	1
3C226	9 44 16.5		WFC	IMAGE	ALL	F785LP		1	2700	1070	1	ī
NGC2992	_	-14 19 40	F0C/96	IMAGE	512X512	F486N	487Ø	ī	400	1227	2	ī
NGC2992		-14 19 40	F0C/98	IMAGE	512X512	F5Ø2M	4950	ī	400	1227	2	ī
		-14 19 40	F0C/96	IMAGE	512X512	F19ØM	1975	ī	400	1227	2	ī
NGC2992						_	5Ø1Ø	i	400	1227	2	i
NGC2992		-14 19 40	F0C/98	IMAGE	512X512	F5Ø1N						-
NGC2992		-14 19 40	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	2	1
NGC2992		-14 19 40	F0C/48	SPEC	256X1Ø24-SLIT			1	600	1227	2	1
NGC2992	9 45 42.3	-14 19 40	F0C/48	SPEC	256X1Ø24-SLIT		445Ø	1	400	1227	2	1
3C227	9 47 45.1	7 25 20	F0C/96	IMAGE	512X512	F13ØM		1	2400	1233	1	1
3C227	9 47 45.1	7 25 20	F0C/96	IMAGE	512X512	F152M		1	1800	1233	1	1
POINT-CP12.2	9 50 27.8	12 58 11	S/C	POINTING	V1			1	Ø	1014	2 C	)N 1
PGØ947+396	9 50 48.4		WFC	IMAGE	ALL	F7Ø2W		1	1000	1Ø15	2	1
SKY-BG19	9 50 48.4		-	ACCUM	1.0	G65ØL	6232	ĩ	1000	1015	1 P/	\R 1
	9 51 34.3		S/C	POINTING		00022	0202	ī	Ø	1014	2	<u>ī</u>
POINT-CP12.1	9 51 53.6		F0C/288	OCC DCC	512X1Ø24-FØ.4	ESASW POLG		ī	300	1275	2	i
HD85376								1	100	1275		i
HD85376	9 51 53.6		F0C/288	OCC	512X1Ø24-FØ.4			_				_
HD85376	9 51 53.6		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2	1
HD85376	9 51 53.6		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2	1
GAL-CLUS-Ø94949+44Ø8 48	9 52 56.0	43 55 8	WFC	IMAGE	ALL	F555W		1	2200	1115	1	1
GAL-CLUS-Ø94949+44Ø8	9 52 56.6	43 55 8	WFC	IMAGE	ALL	F7Ø2W		1	2200	1115	1	1
48 GAL-CLUS-Ø94949+44Ø8	9 52 56.6	43 55 8	WFC	IMAGE	ALL	F555W		2	2300	1115	1	1
48 GAL-CLUS-Ø94949+44Ø8	9 52 56.6	3 43 55 8	WFC	IMAGE	ALL	F7Ø2W		2	2300	1115	1	1
48	3 02 00.1	, 40 00 0	🗸					_				
Ø952+179	9 54 56.9	17 43 32	F0C/288	IMAGE	512X512	F342W		1	300	1236	2	1
PKSØ952+179	9 54 56.9	17 43 31	F0C/96	IMAGE	512X512	F152M		1	1800	1233	2	1
PKSØ952+179	9 54 58.9		FDC/96	IMAGE	512X512	F231M		1	1200	1233	2	1
NGC3Ø31-OFFSET-STARS	9 55 32.7		•	IMAGE	ALL	F6Ø6W		ī	15	1Ø38		CQ 1
-FIELD								_				•
NGC3Ø31-POS-B3	9 55 33.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	36Ø	1044		DN 1
NGC3Ø31-POS-B2	9 55 33.1		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	555	1044		. 1
NGC3Ø31-POS-B1	9 55 33.1	69 3 56+	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	335	1044	2 C	DN 1
M81	9 55 33.1	69 3 56	F0C/96	IMAGE	512X512	F55ØM		1	600	1Ø55	Ø	1
W81	9 55 33.1		F0C/98	IMAGE	512X512	F486N		ī	1200	1055		1
	9 55 33.1		F0C/288	IMAGE	512X512	F278M		ī	1800	1055		ī
M81								1	1800	1055	_	i
M81	9 55 33.1	69 3 56	F0C/288	IMAGE	512X512	F372M			1000	TEGO		

## Fixed Targets

Target	RA (2000)	Inst Dec(2000) Conf		Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line:	
- M81	9 55 33.1			256X1Ø24-SLIT			1	1800	1055	1			1
M81	9 55 33.1	• · · · · · · · · · · · · · · · · · · ·		256X1Ø24-SLIT			1	5400	1055	1	CON		1
M81	9 55 33.1			128X128-ASLIT	_		1	100	1055	1	ACQ		1
NGC3Ø31	9 55 33.1		IMAGE IMAGE	ALL ALL	F194W F375N		1 1	900	1038	Ø	ACQ		1
NGC3Ø31	9 55 33.1 9 55 33.1		IMAGE	ALL	F5Ø2N		1	900 900	1Ø38 1Ø38	Ø	ACQ ACQ		1 1
NGC3Ø31 NGC3Ø31	9 55 33.1		IMAGE	ALL	F664N		3	9ØØ	1038	ø	ACQ		1
NGC3Ø31	9 55 33.1		IMAGE	ALL	F23ØW		1	72Ø	1038	Ø	ACQ		i
NGC3Ø31	9 55 33.1		IMAGE	ALL	F547M		i	18Ø	1038	ø	ACQ		i
NGC3Ø31	9 55 33.1		7.2.2.7.	Ø.3	G13ØH		ī	600	1038	ĭ			ī
NGC3Ø31	9 55 33.1			Ø.3	G19ØH		1	300	1038	ī			ī
NGC3Ø31	9 55 33.1	69 3 56 FOS/		Ø.3	G27ØH		1	300	1038	ī			ī
NGC3Ø31	9 55 33.1			Ø.3	G4ØØH		1	300	1038	1			1
NGC3Ø31	9 55 33.1	69 3 56 FOS/	RD ACCUM	Ø.25-PAIR	G57ØH		1	300	1044	2			1
NGC3Ø31-CLOUD1	9 55 33.1	69 3 56* FOS/	BL ACCUM	Ø.3	G13ØH		1	600	1Ø38	1			1
NGC3Ø31-CLOUD1	9 55 33.1	69 3 56* FOS/		Ø.3	G19ØH		1	300	1Ø38	1		•	1
NGC3Ø31-CLOUD1	9 55 33.1	69 3 56* FOS/	RD ACCUM	Ø.3	G27ØH		1	300	1038	1			1
NGC3Ø31-CLOUD1	9 55 33.1			Ø.3	G4ØØH		1	300	1038	1			1
NGC3Ø31-CLOUD1	9 55 33.1			Ø.3	G57ØH		1	300	1038	1			1
NGC3Ø31-CLOUD2	9 55 33.1	•		Ø.3	G13ØH		1	600	1038	1			1
NGC3Ø31-CLOUD2	9 55 33.1			Ø.3	G19ØH		1	300	1038	1			1
NGC3Ø31-CLOUD2	9 55 33.1			Ø.3	G27ØH		1	300	1038	1			1
NGC3Ø31-CLOUD2	9 55 33.1			Ø.3	G4ØØH		1	3ØØ	1038	1			1
NGC3Ø31-CLOUD2	9 55 33.1			Ø.3	G57ØH		1	300	1038	1	<b>6</b> 51		1
NGC3Ø31-CLOUD3	9 55 33.1	69 3 56* FOS/		Ø.3 Ø.3	G27ØH G4ØØH		1	300	1038	2	SEL		1
NGC3Ø31-CLOUD3	9 55 33.1			Ø.3	G57ØH		1	300	1038	2	SEL		1
NGC3Ø31-CLOUD3	9 55 33.1 9 55 33.1	69 3 56* FOS/ 69 3 56* FOS/	17	Ø.3	G57ØH		1 1	3ØØ 6ØØ	1Ø38 1Ø38	2	SEL SEL		1 1
NGC3Ø31-CLOUD3 NGC3Ø31-CLOUD3	9 55 33.1			Ø.3	G13ØH		1	6ØØ	1038	2	CON		1
NGC3Ø31-CLOUD3	9 55 33.1	69 3 56* FOS/		Ø.3	G19ØH		i	300	1038	2			1
NGC3Ø31-CLOUD4	9 55 33.1			Ø.3	G57ØH		i	6ØØ	1038	2	SEL		1
NGC3Ø31-CLOUD5	9 55 33.1	69 3 56* FOS/		Ø.3	G57ØH		i	600	1038	2	SEL		ī
NGC3Ø31-OFFSET-STAR	9 55 33.1	69 3 56* FOS/			MIRROR		ī	5	1038	ī	ACQ		1
NGC3Ø31-OFFSET-STAR	9 55 33.1	69 3 56* FOS/			MIRROR		ī	5	1038	ī	ACQ		ī
NGC3Ø31-OFFSET-STAR	9 55 33.1	69 3 56* FOS/			MIRROR		ī	5	1044	2	ACQ		ī
NGC3Ø31-POS-A1	9 55 33.1	69 3 55* FOS/		Ø.25-PAIR	G57ØH		1	335	1044	2	CON		1
NGC3Ø31-P0S-A2	9 55 33.2	69 3 55* FOS/	RD ACCUM	Ø.25-PAIR	G57ØH		1	555	1044	2			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F555W		1	4	1118	Ø			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F555W		1	40	1118	Ø			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F555W		1	120	1118	Ø			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F785LP		1	7Ø	1118	Ø			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F785LP	,	1	3	1118	Ø			1
NGC3Ø31-NUC	9 55 33.2	69 3 55 PC	IMAGE	ALL	F785LP		1	35	1118	Ø			1
NGC3Ø31-POS-A3	9 55 33.2			Ø.5-PAIR	G57ØH		1	360	1044	2	CON		1
NGC3Ø31	9 55 35.8	69 3 55 FOC/		512X512	F486N	487Ø	1	400	1227	Ø			1
NGC3Ø31	9 55 35.8	69 3 55 FOC/		512X512	F5Ø1N	5010	1	400	1227	Ø			1
NGC3Ø31	9 55 35.8	69 3 55 FOC/		512X512	F55ØM	547Ø	1	400	1227	Ø			1
NGC3Ø31	9 55 35.8	69 3 55 FOC/		256X1Ø24-SLIT		· ·	1	600	1227	2			1
NGC3Ø31	9 55 35.8	69 3 55 FOC/		256X1Ø24-SLIT		445Ø	1	600	1227				1
M81-BULGE	9 55 48.1	69 4 43 WFC	IMAGE	ALL	F336W		1	100	1120				1
M81-BULGE	9 55 48.1		IMAGE	ALL /	F555W		1	100	1120				1
M81-BULGE	9 55 46.1	69 4 43 WFC	IMAGE	ALL	F336W		1	1800	1120	2			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp.	ID		Spec. Req.	Total Lines
M81-BULGE	9 55 46.1	69 4 43	WFC	IMAGE	ALL	F555W		1	2100	1120	2		1
M81-BULGE	9 55 46.1	69 4 43	WFC	IMAGE	ALL	F785LP		1	100	1120	2		ī
M81-BULGE	9 55 46.1	69 4 43	WFC	IMAGE	ALL	F785LP		1	1800	1120	2		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F555W		1	3Ø	1105	3		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F555W		1	23Ø	1105	3		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F555W		1	1400	1105	3		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F785LP		1	3Ø	11Ø5	3		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F785LP		1	23Ø	1105	3		1
NGC3Ø34	9 55 54.8	69 40 53	WFC	IMAGE	ALL	F785LP		1	1400	1105	3		1
PGØ953+414	9 56 52.4	41 15 23	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø18	2	ACQ	1
PGØ953+414	9 56 52.4	41 15 23	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	600	1Ø18	Ø		1
PGØ953+414	9 56 52.4	41 15 23	FOS/RD	ACCUM	1.0	G27ØH	2753	1	300	1Ø18	Ø		1
PGØ953+414	9 56 52.4	41 15 23	FOS/RD	ACCUM	1.0	G65ØL	6232	1	9Ø	1018	2		1
PGØ953+414	9 56 52.4	41 15 23	FOS/BL	ACCUM	1.0	G13ØH	1379	1	1200	1018	1		1
PGØ953+414	9 56 52.4	41 15 23	FOS/RD	ACQ/BINA	4.3	MIRROR		1	2	1Ø18	Ø	ACQ	1
PGØ953+414	9 58 52.4	41 15 23	FOS/BL	ACQ/BINA		MIRROR		1	4	1Ø18	1	ACQ	. 1
OFFSET-PGØ953+414	9 56 52.4	41 15 23*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø18	2	ACQ	1
OFFSET-PGØ953+414	9 56 52.4	41 15 23*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2500	1Ø18	2		1
PGØ953+414	9 56 52.5	41 15 41	WFC	IMAGE	ALL	F7Ø2W		1	400	1015	Ø		1
PGØ953+414	9 56 52.5	41 15 41	WFC	IMAGE	ALL	F7Ø2W		1	1600	1Ø15	Ø		1
SKY-BG1	9 56 52.5	41 15 41*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2000	1Ø15	1	PAR	1
Ø955+326	9 58 20.9	32 24 2	F0C/288	IMAGE	512X512	F342W		1	300	1236	2		1
3C232	9 58 20.9	32 24 2	HSP/UV2	STAR-SKY	Ø.4-C	F14ØLP		1	6Ø	1Ø99	2		1Ø
Ø955+326INCA221-57	9 58 21.0	32 24 2	FGS	POS	2	F583W		1	51	157Ø	1		6
Ø955+326INCA221-57	9 58 21.Ø	32 24 2	FGS	POS	2	F583W		1	51	157Ø	2		3
PKSØ955+326	9 58 21.Ø	32 24 2	HRS	ACCUM	2.0	G27ØM	2600	6	600	1167	2		1
PKSØ955+326	9 58 21.Ø	32 24 2	HRS	ACCUM	2.0	G27ØM	28Ø5	9	600	1167	2		1
PKSØ955+326	9 58 21.Ø	32 24 2	FOS/BL	ACQ/BINA		MIRROR		1	11	1163	1	ACQ	1
PKSØ955+326	9 58 21.0	32 24 2	FOS/BL	ACCUM	1.0	G13ØH	1379	1	2100	1163	1		1
3C232	9 58 21.0	32 24 2	F0C/48	SPEC	256X1Ø24-SLIT	PRISM3		2	2500	1267	Ø		1
POINTØ955+326INCA221 -57	9 58 35.1	32 35 58	S/C	POINTING	V1			1	Ø	157Ø	1		2
POINTØ955+326INCA221 -57	9 58 35.1	32 35 58	S/C	POINTING	V1			1	Ø	157Ø	2		1
INCA221-56	9 58 45.6	32 35 8	FGS	POS	2	F583W		1	51	157Ø	1		4
INCA221-58	9 58 45.6	32 35 8	FGS	POS	2	F583W		1	51	157Ø	2		2
INCA221-57INCA221-58	9 58 45.6	32 35 8	FGS	POS	2	F583W		1	51	157Ø	1		6
INCA221-57INCA221-56	9 58 45.6	32 35 8	FGS	POS	2	F583W		1	51	157Ø	2		3
INCA221-57	9 59 11.0	32 26 20	FGS	POS	2	F583W		1	51	157Ø	1		4
INCA221-57	9 59 11.0	32 26 20	FGS	POS	2	F583W		1	51	157Ø	2		2
POINTINCA221-57INCA2 21-56	9 59 12.8	32 26 4	S/C	POINTING	V1			1	Ø	157Ø	1		2
POINTINCA221-57INCA2 21-56	9 59 12.8	32 26 4	S/C	POINTING	<b>V1</b>			1	Ø	1570	2		1
QØ957+561	10 1 20.8	55 53 53	F0C/96	IMAGE	512X512	F32ØW		1	1800	1059	1		1
QØ957+561	10 1 20.8	55 53 53	F0C/288	IMAGE	512X512	F320W		1	1800	1059	2	CON	i
QØ957+561	10 1 20.8	55 53 53	PC PC	IMAGE	ALL	F555W		1	80	1116	2	CON	i
QØ957+561	10 1 20.8	55 53 53 55 53 53	PC	IMAGE	ALL	F555W		1	500	1116	2		1
	10 1 20.8	55 53 53 55 53 53	PC	IMAGE	ALL	F725LP		1	900	1116	2		i
QØ957+561 QØ957+561	10 1 20.8	55 53 53	PC PC	IMAGE	ALL	F725LP		i	140	1116	2		i
QØ957+561	10 1 20.8	55 53 53	WFC	IMAGE	ALL	F725LP		1	2000	1116	2		1
QØ957+561	10 1 20.8	55 53 53	WFC	IMAGE IMAGE	ALL	F725LP		1	250	1116	2		1

	F	i	xed	Ta	rg	ets
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Target	RA (2000)		• • • • • • •	rating ode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
QS0Ø957+561A	10 1 20.	8 55 53 56 HSI	P/UV2 PI	EAKUP	10.0	F14ØLP		1	6Ø	1ø96	2	ACQ	4
QS0Ø957+561A	10 1 20.	B 55 53 56 HSI	P/VIS P	EAKUP	10.0	F16ØLP		1	6Ø	1Ø96	2	ACQ	1
QS0Ø957+561A	10 1 20.		•	TAR-SKY	P0LØ	F277M		1	320	1Ø98	2		3
QS0Ø957+561A	10 1 20.		•	TAR-SKY		F277M		1	64Ø	1Ø96	2		1
QS0Ø957+561A	10 1 20.		•	TAR-SKY		F284M		1	6Ø	1Ø96	2		1
QS0Ø957+561A	10 1 20.		•	TAR-SKY		F248M		1	6Ø	1Ø96	2		1
QS0Ø957+561A	10 1 20.			TAR-SKY		F551W		1	6Ø	1096	2		1
QS0Ø957+561A	10 1 20.		•	TAR-SKY		F277M		1	320	1096	2		3
Q\$0Ø957+561A	10 1 20.			TAR-SKY		F277M		1	640	1096	2		1
QS0Ø957+561A	10 1 20.			TAR-SKY		F277M		1	32Ø	1096	2		3
QS0Ø957+561A	10 1 20.			TAR-SKY		F277M		1	640	1096	2		1
QS00957+561A	10 1 20.			TAR-SKY		F14ØLP		1	60	1096	2		4
QS0Ø957+561A	10 1 20.			TAR-SKY		F277M		1	320	1096	2		3
QS0Ø957+561A	10 1 20.			TAR-SKY		F277M	2500	1	64Ø 4ØØ	1096 1030	2		1
Ø957+561A	10 1 20.1 10 1 20.1		•	CCUM CCUM	Ø.5 Ø.5	PRISM G16ØL	3500 1650	1 1	5ØØ	1030	2		1
Ø957+561A	10 1 20.			CCUM	Ø.5 Ø.5	G27ØH	2700	-	500 6000	1030	2		1
Ø957+561A	10 1 20.				Ø.3	PRISM	35ØØ	î	3000	1030	2		1
Ø957+561C QS0Ø957+561B	10 1 20.		•		6.Ø	F16ØLP	3300	i	6Ø	1096	2	ACQ	<u>,</u>
QS0Ø957+561B	10 1 20.		•	EAKUP	10.0	F14ØLP		î	6Ø	1096	2	ACQ	4
QS00957+561B	10 1 20.		•		10.0	F16ØLP		ī	6Ø	1096	2	ACQ	1
QS00957+561B	10 1 20.			TAR-SKY		F277M		ī	320	1096	2		â
QS00957+561B	10 1 20.			TAR-SKY		F277M		ī	640	1096	2		ĭ
QS0Ø957+561B	10 1 20.			TAR-SKY		F284M		ī	60	1096	2		ī
QS0Ø957+561B	10 1 20.			TAR-SKY		F248M		ī	60	1096	2		ī
QS0Ø957+561B	10 1 20.			TAR-SKY		F551W		1	60	1096	2		ī
QS0Ø957+561B	10 1 20.			TAR-SKY		F277M		1	320	1096	2		3
QS0Ø957+561B	10 1 20.			TAR-SKY	POL45	F277M		1	640	1Ø96	2		1
QS0Ø957+561B	10 1 20.	9 55 53 5Ø* HSI	P/POL S	TAR-SKY	POL9Ø	F277M		1	320	1096	2		3
QS0Ø957+561B	10 1 20.	9 55 53 5Ø* HSI	P/POL S	TAR-SKY	POL9Ø	F277M		1	64Ø	1096	2		1
QS0Ø957+561B	10 1 20.			TAR-SKY		F14ØLP		1	6Ø	1096	2		4
QS0Ø957+561B	10 1 20.			TAR-SKY		F277M		1	32Ø	1096	2		3
QS0Ø957+561B	10 1 20.			TAR-SKY		F277M		1	640	1096	2		1
Ø957+561B	10 1 21.			CCUM	Ø.5	PRISM	3500	1	400	1030	2		1
Ø957+561B	10 1 21.			CCUM	Ø.5	G16ØL	165Ø	1	500	1030	2		1
Ø957+561B	10 1 21.		•		Ø.5	G27ØH	2700	1	6000	1030	2		1
Ø957+581A-OFFSET	10 1 27.		•	CQ/BINA		MIRROR		1	5	1030	2	ACQ	3
NGC3Ø79-OFFSET-STARS -FIELD	10 1 54.	4 55 41 8* WF	C 1	MAGE	ALL	F6Ø6W		1	15	1Ø38	Ø	ACQ	1
NGC3Ø79	10 1 57.	B 55 4Ø 48 PC	I	MAGE	ALL	F5Ø2N		1	9ØØ	1038	Ø	ACQ	1
NGC3Ø79	10 1 57.		I	MAGE	ALL	F664N		3	300	1038	Ø	ACQ	1
NGC3Ø79	10 1 57.	8 55 4Ø 48 PC	I	MAGE	ALL	F547M		1	18Ø	1Ø38	Ø	ACQ	1
NGC3Ø79	10 1 57.		S/BL A	CCUM	Ø.3	G13ØH		1	600	1Ø38	2		1
NGC3Ø79	10 1 57.	B 55 4Ø 48 FO	S/BL A	CCUM	Ø.3	G19ØH		1	300	1Ø38	2		1
NGC3Ø79	10 1 57.	B 55 4Ø 48 FO	S/RD A	CCUM	Ø.3	G27ØH		1	300	1038	2		1
NGC3Ø79	10 1 57.		•	CCUM	Ø.3	G4ØØH		1	300	1038	2		1
NGC3Ø79	10 1 57.	8 55 4Ø 48 FO	S/RD A	CCUM	Ø.3	G57ØH		1	300	1038	2		1
NGC3Ø79-CLOUD1	10 1 57.	8 55 4Ø 48* FO	S/BL A	CCUM	Ø.3	G13ØH		1	600	1Ø38	2		1
NGC3Ø79-CLOUD1	10 1 57.	B 55 4Ø 48* FO	S/BL A	CCUM	Ø.3	G19ØH		1	3ØØ	1Ø38	2		1
NGC3Ø79-CLOUD1	10 1 57.	8 55 4Ø 48* FO	S/RD A	CCUM	Ø.3	G27ØH		1	3ØØ	1Ø38	2		1
NGC3Ø79-CLOUD1	10 1 57.	8 55 4Ø 48 <b>*</b> FO	S/RD A	CCUM	Ø.3	G4ØØH		1	3ØØ	1Ø38	2		1
NGC3Ø79-CLOUD1	10 1 57.	8 55 4Ø 48 <b>*</b> FO	S/RD A	CCUM	Ø.3	G57ØH		1	3ØØ	1038	2		1

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•		Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tota	a I
Target	RA (2ØØØ)	Dec(2000) Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Line	<b>8</b> 3
NGC3Ø79-CLOUD2	1ø 1 57.	8 55 4Ø 48* FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1ø38	2			1
NGC3Ø79-CLBUD2	10 1 57.		ACCUM	Ø.3	G19ØH		1	300	1038	2			ī
NGC3Ø79-CLOUD2	10 1 57.		ACCUM	Ø.3	G27ØH		1	300	1038	2			ī
NGC3Ø79-CLOUD2	10 1 57.		ACCUM	Ø.3	G4ØØH		1	300	1Ø38	2			ī
NGC3Ø79-CLOUD2	10 1 57.		ACCUM	Ø.3	G57ØH		1	300	1038	2			ĩ
NGC3Ø79-CLOUD3	10 1 57.		ACCUM	Ø.3	G27ØH		1	300	1Ø38	2	SEL		1
NGC3Ø79-CLOUD3	10 1 57.		ACCUM	Ø.3	G4ØØH		1	300	1Ø38	2	SEL		1
NGC3Ø79-CLOUD3	10 1 57.		ACCUM	Ø.3	G57ØH	-	1	300	1038	2	SEL		1
NGC3Ø79-CLOUD3	10 1 57.	8 55 4Ø 48* FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1Ø38	2	SEL		1
NGC3Ø79-CLOUD3	10 1 57.	8 55 4Ø 48* FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1ø38	2	CON	SEL	1
		·					_			_			
NGC3Ø79-CLOUD3	10 1 57.	8 55 4Ø 48* FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1Ø38	2	CON	SEL	1
NGC3Ø79-CLOUD4	10 1 57.	8 55 4Ø 48* FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1ø38	2	SEL		1
NGC3Ø79-CLOUD5	10 1 57.	8 55 4Ø 48* FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1Ø38	2	SEL		1
NGC3Ø79-OFFSET-STAR	10 1 57.	8 55 4Ø 48* FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1038	2	ACQ		1
NGC3Ø79-OFFSET-STAR	1Ø 1 57.		ACQ/BINA	4.3	MIRROR		1	5	1Ø38	2	ACQ		1
PG1ØØ1+Ø5	10 4 20.		IMAGE	512X512	F21ØM		1	9ØØ	1233	2			1
PG1ØØ1+Ø5	10 4 20.		IMAGE	512X512	F14ØM		1	1800	1233	2			1
NGC3115	10 5 14.		IMAGE	512X512	F15ØW		1	2300	1239	1			1
NGC3115	10 5 14.	2 -7 43 5 FOC/48	IMAGE	512X512	F342W		1	1600	1239	2			1
3C236	10 6 1.		IMAGE	512X512	F32ØW		1	600	1228	1			1
3C236	10 6 1.		IMAGE	512X512	F55ØM		1	900	1228	1			1
3C236	10 6 1.		IMAGE	512X512	F13ØM		1	600	1228	2			1
3C236	10 6 1.		IMAGE	512X512	F41ØM		1	6ØØ	1228	2			1
3C236	10 6 1.		IMAGE	512X512	F37ØLP		1	600	1228	2			1
3C236	10 6 1.		IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C236	10 6 1.		SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON		1
0FF3C236	10 6 1.		IMAGE	ALL	F128LP		1	1800	1228	1	PAR		1
3C236-FIELD	10 6 1.	7 34 53 41 WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ	CON	1
3C236	10 6 1.	7 34 54 11 FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1Ø33	2	CON		1
3C236-OFFSET	10 6 1.	7 34 54 11* FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1ø33	2	ACQ	CON	1
HD87696	10 7 25.	7 35 14 41 FOC/288	DCC	512X1Ø24-FØ.4	F342W POLØ		1	3ØØ	1275	2	•		1
HD87696	10 7 25.		OCC	512X1Ø24-FØ.4			1	100	1275	2			1
HD87696	10 7 25.		OCC	512X1Ø24-FØ.4			1	300	1275	_			1
HD87696	10 7 25.		OCC	512X1Ø24-FØ.4			1	300	1275				1
PKS1ØØ4+13Ø	10 7 26.		ACCUM	Ø.5	PRISM	3500	1	200	1026	Ø			1
PKS1004+130	10 7 28.		ACCUM	Ø.5	G13ØH	1300	1	3000	1026	Ø			1
PKS1004+130	10 7 26.		ACCUM	Ø.5	G27ØH	2700	1	400	1ø26	_			1
PKS1004+130	10 7 26.		ACCUM	Ø.5	G19ØH	1900	1	1500	1Ø28				1
PKS1004+130	10 7 28.		ACQ/BINA		MIRROR		1	5	1026	Ø	ACQ		1
PKS1ØØ4+13Ø	1Ø 7 26.		ACQ/BINA		MIRROR		1	5	1026	_	ACQ		1
HD879Ø1	10 8 21.		ACCUM	2.0	MIRROR-A1		1	19	1214	Ø	CON	CAL	1
HD879Ø1	10 8 21.		ACCUM	2.0	ECH-A	1335	1	180	1214		CON		1
HD879Ø1	10 8 21.		ACCUM	2.0	ECH-A	1302	1	18Ø	1214		CON		1
HD879Ø1	10 8 21.		ACCUM	2.0	ECH-A	153Ø	1	180	1214	-	CON		1
PG1ØØ8+133	10 11 11.		IMAGE	ALL	F7Ø2W		1	1500	1015	_			1
SKY-BG16	10 11 11.		ACCUM	1.0	G65ØL	6232	1	1500	1015	_	PAR		1
3C239	10 11 45.		IMAGE	ALL	F785LP		1	2700	1070	_			1
1011+250	10 13 53.			512X512	F342W		1	300	1236	_			1
PG1Ø12+ØØ8	10 14 54.	9 Ø 33 37 WFC	IMAGE	ALL	F7Ø2W		1	2000	1015	2			1

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tot	al
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	_	Time	ID		Req.		
SKY-BG2Ø	10 14 54.9	Ø 33 37*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2000	1015	1	PAR		1
HD89125	10 17 14.7		HRS	ACCUM	Ø.25	G27ØM	2497	2	420	1064	3	CON	SFI	ī
NGC3211	10 17 50.8		F0C/98	IMAGE	256X256	F13ØM		1	480	1254	2			ī
NGC3211	10 17 50.6		F0C/96	IMAGE	256X256	F21ØM		ī	48Ø	1254	2			ī
NGC3211	10 17 50.8		F0C/96	IMAGE	256X256	F278M		ī	48Ø	1254	2			ī
TON34	10 19 54.9		FOS/RD	ACQ/BINA		MIRROR		1	11	1025	2	ACQ		ī
T0N34	10 19 54.9		FOS/RD	ACCUM	1.0	G4ØØH	4013	ī	300	1025	2			ī
3C241	10 21 54.6		F0C/96	IMAGE	512X512	F342W		1	2000	1229	2			1
3C241	10 21 54.6		F0C/96	IMAGE	512X512	F43ØW		1	2000	1229	2			1
3C241	10 21 54.6		WFC'	IMAGE	ALL	F785LP		1	2700	1070	1			1
NGC3227	10 23 30.6	19 51 54	HRS	ACCUM	2.0	G14ØL	1554	1	2400	116Ø	1			2
NGC3227	10 23 30.6	19 51 54	HRS	ACCUM	2.0	G27ØM	28Ø8	1	2400	116Ø	1			1
NGC3227	10 23 30.6	19 51 54	HRS	ACCUM	2.0	G14ØL	1554	1	2400	116Ø	2			2
NGC3227	10 23 30.6	19 51 54	HRS	ACCUM	2.0	G27ØM	28Ø8	1	2400	1160	2			1
NGC3227	10 23 30.6		HRS	ACCUM	2.0	G14ØL	1554	1	2400	1160	3			2
NGC3227	10 23 30.6		HRS	ACCUM	2.0	G27ØM	28Ø8	1	2400	1160	3			1
NGC3227	10 23 30.6		PC	IMAGE	ALL	F194W		1	900	1038	Ø	ACQ		1
NGC3227	10 23 30.6		PC	IMAGE	ALL	F375N		1	900	1036	Ø	ACQ		1
NGC3227	10 23 30.6	19 51 54	PC	IMAGE	ALL	F5Ø2N		1	900	1036	Ø	ACQ		1
NGC3227	10 23 30.6		PC	IMAGE	ALL	F664N		3	300	1036	Ø	ACQ		1
NGC3227	10 23 30.6		PC	IMAGE	ALL	F23ØW		1	72Ø	1036	Ø	ACQ		1
NGC3227	10 23 30.6		PC	IMAGE	ALL	F547M		1	18Ø	1036	Ø	ACQ		1
NGC3227	10 23 30.6		FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2			1
NGC3227 NGC3227	10 23 30.6 10 23 30.6		FOS/RD	ACCUM	Ø.3 Ø.3	G4ØØH G57ØH		1 1	3ØØ 3ØØ	1036 1036	2 2			1 1
NGC3227	10 23 30.6		FOS/RD FOS/BL	ACCUM ACCUM	Ø.3	G13ØH		1	600	1036	2	SEL		1
NGC3227	10 23 30.6	19 51 54	FOS/BL	ACCUM	Ø.3	G19ØH		i	300	1036	2	SEL		1
NGC3227	10 23 30.6		FOS/RD	ACCUM	Ø.3	G57ØH		i	600	1036	2	SEL		i
NGC3227	10 23 30.6		FOS/BL	ACQ/BINA		MIRROR		ī	1	1036	2	ACQ	CON	2
								_	_			SEL		
NGC3227	10 23 30.6	19 51 54	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1036	2	ACQ SEL	CON	1
NGC3227-CLOUD1	10 23 30.6	19 51 54*	F0S/BL	ACCUM	Ø.3	G13ØH		1	800	1036	2			1
NGC3227-CLOUD1	10 23 30.6		•	ACCUM	Ø.3	G19ØH		1	3ØØ	1036	2			1
NGC3227-CLOUD1	10 23 30.6	19 51 54*	F0S/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2			1
NGC3227-CLOUD1	10 23 30.6	19 51 54*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1036	2			1
NGC3227-CLOUD1	10 23 30.6	19 51 54*		ACCUM	Ø.3	G57ØH		1	3ØØ	1Ø36	2			1
NGC3227-CLOUD2	10 23 30.6	19 51 54*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2			1
NGC3227-CLOUD2	10 23 30.6	19 51 54*		ACCUM	Ø.3	G19ØH		1	300	1036	2			1
NGC3227-CLOUD2	10 23 30.6	19 51 54*		ACCUM	Ø.3	G27ØH		1	300	1036	2			1
NGC3227-CLOUD2	10 23 30.6			ACCUM	Ø.3	G4ØØH		1	300	1036	2			1
NGC3227-CLOUD2	10 23 30.6			ACCUM	Ø.3	G57ØH		1	300	1Ø36	2			1
NGC3227-CLOUD3	10 23 30.6	19 51 54*		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC3227-CLOUD3	10 23 30.6			ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC3227-CLOUD3	10 23 30.6			ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
NGC3227-CLOUD3	10 23 30.6	19 51 54*		ACCUM	Ø.3	G13ØH		1	600	1036	2	CON		1
NGC3227-CLOUD3	10 23 30.6		•	ACCUM	Ø.3	G19ØH		1	300	1036	2	CON	SEL	1
NGC3227-CLOUD4	10 23 30.6			ACCUM	Ø.3	G57ØH		1	6ØØ	1036	2	SEL		1
NGC3227-CLOUD5	10 23 30.6		, -	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC3227-OFFSET-STAR	10 23 30.6			ACQ/BINA		MIRROR		1	1	1036	2	ACQ	CEI	1
NGC3227-OFFSET-STAR	10 23 30.6			ACQ/BINA		MIRROR		1	1	1036	2	ACQ		1
NGC3227-OFFSET-STAR	10 23 30.6	19 51 54*	しゅく KD	ACQ/BINA	4.5	MIRROR		1	1	1036	2	ACQ	SEL	1

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Tangat	RA (200	a)	Dec (	2000)	Inst. Config.	Operati:	ng	Aperture	Spectral Element	Central Wave.		Exp.	ID		Spec. Req.	Tota Line:	
Target	RM (ZWW	(ש	Decl	2000)	coning.	Mode		Aperture	Clement	wave.	Exp.	Time	10	Cy.	red.	Line	3
NGC3227	1Ø 23	30.6	19	51 56	F0C/98	IMAGE		512X512	F5Ø2M	4950	1	400	1227	2			1
NGC3227	10 23	30.6	19	51 56	F0C/96	IMAGE		512X512	F5Ø1N	5010	1	400	1227	2			1
NGC3227	1Ø 23	3Ø.6	19	51 56	F0C/96	IMAGE		512X512	F55ØM	547Ø	1	400	1227	2		;	1
NGC3227	10 23	30.6	19	51 56	F0C/48	SPEC		256X1Ø24-SLIT	GRAT-PRISM		1	400	1227	2			1
NGC3227	10 23	3Ø.6	19	51 56	F0C/48	SPEC		256X1Ø24-SLIT	G45ØM	445Ø	1	400	1227	2			1
NGC3227-OFFSET-STARS	1Ø 23	33.4	19	51 3*	WFC	IMAGE		ALL	F6Ø6W		1	15	1Ø36	Ø	ACQ		1
-FIELD													•				
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-B	1942	1	265	1182	2			1
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-B	1739	1	484	1182	2			1
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-B	1783	1	339	1182	2		;	1
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-B	18Ø1	1	283	1182	2			1
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-B	2Ø82	1	129	1182	2			1
HD89822	10 24	7.8		33 59	HRS	ACCUM		Ø.25	ECH-A	1362	1	728	1182	2		:	1
NGC3268				19 42	F0C/96	IMAGE		512X512	F32ØW		1	600	1057	1			1
NGC3268	10 29				F0C/96	IMAGE		512X512	F5Ø2M		1	300	1Ø57	1			1
NGC3268				19 42	F0C/288	IMAGE		512X512	F32ØW		1	600	1057	2	CON		1
NGC3268				19 42	F0C/48	SPEC		256X1Ø24-SLIT		4500		2000	1Ø57	2	CON		1
NGC3268				19 42	F0C/48	IMAGE		128X128-ASLIT		392Ø	1	100	1057	2	ACQ		1
3C244.1		31.4	56		F0C/96	IMAGE		512X512	F48ØLP			1740	1058	2			1
PG1Ø31+23		49.3	23	9 16	FOS/BL	ACQ/B			MIRROR		1	5	1049	2	ACQ		1
PG1Ø31+23		49.3	23	9 16	FOS/BL	ACCUM		Ø.5	G13ØH	1379		1440	1049	2	4.00	19	
PG1Ø31+23-FIELD	10 33		23	9 16	WFC	IMAGE		ALL	F439W	4353	1	15	1049	2	ACQ		1
MKN34	10 34	8.6	60	1 52	F0C/98	IMAGE		512X512	F13ØM		1	600	1228	2	CON		1
MKN34	10 34	8.8	6Ø	1 52	F0C/48	IMAGE		512X512	F18ØLP		1	600	1228	2	CON		1
MKN34	10 34	8.6	6Ø	1 52	F0C/288	IMAGE		512X512	F32ØW		1	300	1228	2			1
MKN34	10 34 10 34	8.6	6Ø	1 52	F0C/288	IMAGE SPEC		512X512 256X1024-SLIT	F5Ø2M		1 1	6ØØ 12ØØ	1228 1228	2	CON		1 1
MKN34	10 34 10 36	8.6	60	1 52 31 43	FOC/48 PC	IMAGE		ALL	GRAT-PRISM F785LP		1	1000	1118	2	COM		2
NGC3311-NUC	10 41			10 17	F0C/288	IMAGE		512X512	F342W		1	300	1236	2			2 1
1038+064 3C245	10 42		12	3 32	FOS/BL	ACCUM		1.0	G27ØH		i	1000	1043	2			1
3C245		44.6	12	3 32	FOS/BL	ACCUM		1.0	G13ØH		2	2000	1043	2			1
3C245	10 42		12	3 32	FOS/BL	ACQ/B			MIRROR		1	11	1043	2	ACQ		ī
HD933Ø8		46.6	==	3Ø 38	F0C/98	IMAGE	2	512X512	F55ØM F8ND		ī	240	1255	ī	neq.		ī
HD933Ø8		46.6		3Ø 38	F0C/288	IMAGE		512X512	F165W PRISM1		ī	300	1255	2			ī
HD933Ø8	10 43			3Ø 38	F0C/288	IMAGE		512X512	F165W PRISM1		ī	900	1255	3			ī
HD933Ø8				3Ø 38	F0C/96	IMAGE		512X512	F175W F19ØM F8ND		1	240	1255	1			- 1
HD933Ø8		46.6		3Ø 38	F0C/288	IMAGE		512X512	FIND F55ØM F8ND		3	480	1255	2			1
HD933Ø8		46.6		3Ø 38	F0C/288	IMAGE		512X512	F175W F19ØM F8ND		1	300	1255	1			1
HD933Ø8				3Ø 38	F0C/288	IMAGE		512X512	F175W F19ØM F6ND		1	240	1255	1			1
HD93128				32 51	HSP/UV2	PRISM		1.0	F262M/F145M		ī	1800	1095	1			2
HD93129A	10 43				HSP/UV2	PRISM		1.0	F262M/F145M		1	1800	1095	1			2
HD93129A				32 5Ø	HRS'	ACCUM		2.0	G14ØL	1420	1	25	1215	2			1
HD93129A				32 5Ø	HRS	ACCUM		2.0	G14ØL	167Ø	1	37	1215	2			1
HD93129A				32 5Ø	HRS	ACCUM		2.0	G14ØL	1250	1	18	1215	2			1
HD932Ø5	10 44				HRS	ACCUM		2.0	G14ØL	1420	1	20	1215	1			1
HD932Ø5				44 16	HRS	ACCUM		2.0	G14ØL	1670	1	3Ø	1215	1			1
HD932Ø5				44 16	HRS	ACCUM		2.0	G14ØL	1250	1	15	1215	1			1
HD9325Ø				33 54	HRS	ACCUM		2.0	G14ØL	1420	1	3Ø	1215	2			1
HD9325Ø	10 44	44.7	-59	33 54	HRS	ACCUM		2.0	G14ØL	125Ø	1	22	1215	2			1
HD9325Ø	10 44	44.7	-59	33 54	HRS	ACCUM		2.0	G14ØL	167Ø	1	45	1215	2			1
HD9325Ø	10 44	45.2	-59	33 55	HSP/UV2	PRISM		1.0	F262M/F145M		1	1800	1095	Ø			2
W-CONDENSATION	10 45			40 50	HRS	ACCUM		2.0	G14ØL	1300	1	1200	1186	2			1

W-CONDENSATION    16 45   2,3 -59 46 59   RFS   ACCUM   2.6   G149L   1558   1   1206   186 2   1	Target	RA (2000)	Dec (2000)	Inst. (Config.	)perating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	_	Spec. Req.	Total Lines
## CONDENSATION   19 45   2.3 - 59 49 50   HRS   ACCUM   2.5   C14-0L   1800   1 1800   1100   1   1   1   1   1   1   1	W-CONDENSATION	10 45 2.3	-59 40 50	HRS	ACCUM	2.0	G14ØL	1550	1	1200	1186	2		1
S-COMPENSATION 19 45 2, 4-59 41 8 HRS ACCUM 2.9 G149L 1369 1 1200 1186 1 1 20	W-CONDENSATION			HRS	ACCUM	2.0	G14ØL	1800	1	1800	1186	2		1
S-CONDENSATION 10 45 2.4 -59 41 8 HRS ACCUM 2.6 G146L 1556 1 1296 1186 1 1 ETA-CARINAE 10 45 2.4 -59 41 8 HRS ACCUM 2.6 G146L 1896 1 1896 1 1896 1 18 1 1 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 156 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 156 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 15 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 IMAGE ALL F656N 1 1 1 16 1186 0 ACQ 1 IMAGE ALL F656N 1 IMAGE ALL F656N 1 IM						2.0	G14ØL	1300	1					<u>ī</u>
S-COMBENSATION  10 45 2.4 -59 41 8 HRS ACCUM  2.8 G140L  1206 1186 1 1800 1186 1 CTA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL F656N  1 10 16 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 180 0 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 180 0 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL-ND F336W  1 1 20 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.6 -59 41 4 PC IMAGE ALL-ND F336W  1 1 20 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL-ND F336W  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL-ND F336W  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL-ND F336W  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL-ND F336W  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL-ND F336W  1 1 10 1186 0 ACQ 1  ETA-CARTINAE  10 45 3.7 -59 41 4 PC IMAGE ALL  F656N  1 1 10 1188 0 ACQ 1  ETA-CARTINAE  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									1					_
ETA-CARINAE 10 45 3.8 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 3 1 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 10 1186 3 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL F656N 1 1 20 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL-ND F336W 1 1 20 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL-ND F336W 1 1 20 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL-ND F336W 1 1 20 1186 0 ACQ 1 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL-ND F656N 1 1 10 1186 0 ETA-CARINAE 10 45 3.6 -59 41 4 PC IMAGE ALL-ND F656N 1 1 10 1186 0 IMAGE ALL-ND F656N 1 1 10 1188 0 IMAGE ALL-ND F656N 1												_		
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NGC3379-NUC  10 47 49.8 12 34 53 PC  IMAGE  ALL  F555W  1 49 1118 1  1 NGC3379-NUC  10 47 49.8 12 34 53 PC  IMAGE  ALL  F785LP  1 35 1118 1  1 NGC3379-NUC  10 47 49.8 12 34 53 PC  IMAGE  ALL  F785LP  1 35 1118 1  1 NGC3379-NUC  10 47 49.8 12 34 53 PC  IMAGE  ALL  F555W  1 489 1118 1  1 NGC3379-NUC  10 47 49.8 12 34 57 FOC/98  IMAGE  512X512  F32ØW  1 6ØØ 1Ø57 1  1 NGC3379  10 47 49.8 12 34 57 FOC/98  IMAGE  512X512  F32ØW  1 6ØØ 1Ø57 1  1 NGC3379  10 47 49.8 12 34 57 FOC/98  IMAGE  512X512  F32ØW  1 6ØØ 1Ø57 2  CON  1 NGC3379  10 47 49.8 12 34 57 FOC/48  NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F555W  1 1 11 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F555W  1 1 11 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F555W  1 1 11 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F555W  1 1 11 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  ALL  F785LP  1 80 1118 1  1 NGC3384-NUC  10 48 17.1 12 37 5Ø PC  IMAGE  I				WFC	IMAGE	ALL	F785LP		1	2500		_		
NGC3379-NUC       10 47 49.6       12 34 53 PC       IMAGE       ALL       F785LP       1 35 1118 1       1         NGC3379-NUC       10 47 49.6       12 34 53 PC       IMAGE       ALL       F785LP       1 350 1118 1       1         NGC3379-NUC       10 47 49.6       12 34 53 PC       IMAGE       ALL       F555W       1 489 1118 1       1         NGC3379       10 47 49.8       12 34 57 F0C/96 IMAGE       512X512 F320W       1 600 1057 1       1         NGC3379       10 47 49.8       12 34 57 F0C/98 IMAGE       512X512 F320W       1 800 1057 1       1         NGC3379       10 47 49.8       12 34 57 F0C/288 IMAGE       512X512 F320W       1 800 1057 2 C0N       1         NGC3379       10 47 49.8       12 34 57 F0C/48 SPEC       256X1024-SLIT G450M       4500 1 12000 1057 2 C0N       1         NGC3379       10 47 49.8       12 34 57 F0C/48 IMAGE       128X128-ASLIT F430W       3920 1 100 1057 2 C0N       1         NGC3379       10 47 49.8       12 37 50 PC       IMAGE       128X128-ASLIT F430W       3920 1 100 1057 2 C0N       1         NGC3384-NUC       10 48 17.1       12 37 50 PC       IMAGE       ALL       F555W       1 112 1118 1       1         NGC3384-NUC       10 48 17.1       12 37				PC	IMAGE	ALL	F555W		1					1
NGC3379-NUC       10 47 49.6       12 34 53 PC       IMAGE       ALL       F785LP       1 350 1118 1       1         NGC3379-NUC       10 47 49.8       12 34 53 PC       IMAGE       ALL       F555W       1 489 1118 1       1         NGC3379       10 47 49.8       12 34 57 F0C/96 IMAGE       512X512 F320W       1 600 1057 1       1       1         NGC3379       10 47 49.8       12 34 57 F0C/96 IMAGE       512X512 F502M       1 300 1057 1       1       1         NGC3379       10 47 49.8       12 34 57 F0C/288 IMAGE       512X512 F320W       1 600 1057 1       1       1         NGC3379       10 47 49.8       12 34 57 F0C/288 IMAGE       512X512 F320W       1 600 1057 2 CON       1       1         NGC3379       10 47 49.8       12 34 57 F0C/48 SPEC       256X1024-SLIT G450M       4500 1 12000 1057 2 CON       1       1         NGC3384-NUC       10 48 17.1       12 37 50 PC       IMAGE       ALL       F555W       1 110 1057 2 ACQ CON       1         NGC3384-NUC       10 48 17.1       12 37 50 PC       IMAGE       ALL       F785LP       1 8 1118 1       1         NGC3384-NUC       10 48 17.1       12 37 50 PC       IMAGE       ALL       F785LP       1 8 1118 1       1	NGC3379-NUC	10 47 49.6	12 34 53	PC	IMAGE	ALL	F785LP		1	35	1118	1		1
NGC3379—NUC  10 47 49.8 12 34 53 PC  IMAGE  NGC3379  10 47 49.8 12 34 57 FOC/96  IMAGE  NGC3379  10 47 49.8 12 34 57 FOC/96  IMAGE  S12X512  F32ØW  1 60Ø 1057 1  1 80Ø 1057 2  1 80Ø 1057 1  1 80Ø 1057 2  1 80Ø 1057 2  1 80Ø 1057 1  1 80Ø 10				PC	IMAGE	ALL	F785LP		1			_		
NGC3379					IMAGE	ALL	F555W							
NGC3379									-					
NGC3379       10 47 49.8 12 34 57 FOC/288 IMAGE       512X512 F320W       1 600 1057 2 CON 1         NGC3379       10 47 49.8 12 34 57 FOC/48 SPEC       256X1024-SLIT G450M       4500 1 12000 1057 2 CON 1         NGC3379       10 47 49.8 12 34 57 FOC/48 IMAGE       128X128-ASLIT F430W       3920 1 100 1057 2 ACQ CON 1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE ALL F555W       1 11 1118 1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE ALL F555W       1 112 1118 1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE ALL F785LP       1 8 1118 1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE ALL F785LP       1 80 1118 1				• .										
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NGC3379       1Ø 47 49.8       12 34 57 FOC/48       IMAGE       128X128-ASLIT F43ØW       392Ø       1 1Ø 1Ø57 2 ACQ CON 1         NGC3384-NUC       1Ø 48 17.1       12 37 5Ø PC       IMAGE       ALL       F555W       1 11 1118 1       1         NGC3384-NUC       1Ø 48 17.1       12 37 5Ø PC       IMAGE       ALL       F785LP       1 8 1118 1       1         NGC3384-NUC       1Ø 48 17.1       12 37 5Ø PC       IMAGE       ALL       F785LP       1 8Ø 1118 1       1								4500						_
NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE       ALL       F555W       1 11 1118 1       1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE       ALL       F555W       1 112 1118 1       1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE       ALL       F785LP       1 8 1118 1       1         NGC3384-NUC       10 48 17.1 12 37 50 PC       IMAGE       ALL       F785LP       1 80 1118 1       1				•	-									
NGC3384-NUC 1Ø 48 17.1 12 37 5Ø PC IMAGE ALL F555W 1 112 1118 1 1 NGC3384-NUC 1Ø 48 17.1 12 37 5Ø PC IMAGE ALL F785LP 1 8 1118 1 1 NGC3384-NUC 1Ø 48 17.1 12 37 5Ø PC IMAGE ALL F785LP 1 8Ø 1118 1 1														
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NGC3384-NUC 10 48 17.1 12 37 50 PC IMAGE ALL F785LP 1 80 1118 1 1									_					
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	HD93521			HRS				1240	ī	264	1071			

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<u></u>			Inst. 0	perating		Spectral	Central	No.	Exp.		_	Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
HD93521	10 48 23.5	37 34 13	HRS	WSCAN	Ø.25	ECH-A	1252	1	216	1071	Ø		1
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	153Ø	1	48Ø	1071	Ø		ī
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	120	1071	Ø		ĩ
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	13Ø3	ī	192	1071	Ø		ī
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	1334	1	264	1071	ø		ī
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	1356	ī	456	1071	ø		i
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	1392	ī	528	1071	ø		i
HD93521	10 48 23.5	·	HRS	WSCAN	Ø.25	ECH-A	1191	î	144	1071	ø		i
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-A	1547	î	552	1071	ø		i
HD93521	10 48 23.5		HRS			ECH-B	18Ø5	i	216	1071	ø		i
				WSCAN	Ø.25		2602	1	192	1071	ø		1
HD93521	10 48 23.5		HRS	WSCAN	Ø.25	ECH-B	2002	1	1800	1234	ø		_
3C248	10 51 29.9		F0C/98	IMAGE	512X512	F43ØW				_	-		1
3C246	10 51 29.9		F0C/98	IMAGE	512X512	F342W			1800	1234	2	2011	1
3C246	10 51 29.9		F0C/48	SPEC	256X1Ø24-SLIT			_	9000	1234	1	CON	1
PG1Ø48-Ø9Ø	10 51 29.9		WFC	IMAGE	ALL	F7Ø2W			2000	1015	2		1
SKY-BG2	10 51 29.9			ACCUM	1.0	G65ØL	6232		2000	1015	1	PAR	1
PG1Ø48+342	10 51 43.8		WFC	IMAGE	ALL	F7Ø2\			1000	1015	2		1
SKY-BG21	10 51 43.8		FOS/RD	ACCUM	1.0	G65ØL	6232		1000	1Ø15	1	PAR	1
BD+Ø8D1425	10 51 54.8		WFC	IMAGE	ALL	F569W		1	Ø	1Ø82	1	ACQ	2
BD+Ø8D1425	10 51 54.8	8 26 5	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1		2
			IS										
PKS1Ø49+616	10 52 32.8	61 25 22	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1163	2	ACQ	1
PKS1Ø49+616	10 52 32.8	61 25 22	FOS/BL	ACCUM	1.0	G27ØH	2766	1	600	1163	2		1
PKS1Ø49+616	10 52 32.8	61 25 22	FOS/BL	ACCUM	1.0	G13ØH	1379	1	1800	1163	2		1
PKS1Ø49+616	10 52 32.8	61 25 22	FOS/BL	ACCUM	1.0	G19ØH	1944	1	1200	1163	2		1
G146-72	10 55 6.1	47 14 41	FGS	TRANS	ANY	F583W		1	2000	1003	Ø		1
G148-72	10 55 6.1	47 14 41	FGS	TRANS	ANY	F583W		1	2000	1003	1		1
G146-72	10 55 6.1		FGS	TRANS	ANY	F583W		1	2000	1003	2		ï
POINT-CP11.2	10 56 23.9		S/C	POINTING				1	Ø	1014	2	CON	1
POINT-CP11.1	10 56 26.3		S/C	POINTING				1	Ø	1014	2		ī
GL4Ø8	10 56 29.3		FOS/BL	RAPID	4.3	G13ØH	1300	1	600	1180	1		ī
GL4Ø6	10 56 29.3		FOS/BL	ACQ/BINA		MIRROR		1	2	1180	ī	ACQ	ī
GLIESE4Ø6	10 56 40.3		FGS	POS	PRIME	F55ØW		ī	52	1005	ī	CON	12
GLIESE4Ø6	10 56 40.3		FGS	POS	PRIME	F55ØW		ī	52	1005	2	CON	12
GLIESE4Ø6	10 56 40.3		FGS	POS	PRIME	F55ØW		ī	52	1005	3	CON	5
GLIESE4Ø6	10 56 40.3		FGS	POS	PRIME	F55ØW		i	52	2936	1	CON	12
GLIESE406	10 56 40.3	-	FGS	POS	PRIME	F55ØW		ī	52 52	2936	2	CON	12
GLIESE406 GLIESE406			FGS	POS	PRIME	F55ØW		1	52 52	2936	3	CON	5
								1	100	1005	-		
GLIESE4Ø8	10 56 40.3	7 2 41	FGS	TRANS	PRIME	F583W		_			1	ACQ	1
GLIESE4Ø6	10 56 40.3		FGS	TRANS	PRIME	F583W		1	100	2936	1	ACQ	1
FJ1083-7	10 57 7.5		WFC	IMAGE	ALL	F569W		1	Ø	1083	2	ACQ	2
FJ1Ø83-7	10 57 7.5	8 8 13	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2		2
3C247	10 58 58.6	43 1 25	F0C/98	IMAGE	512X512	F48ØLP		1	1740	1Ø58	2		1
3C247	10 58 59.0		WFC	IMAGE	ALL	F555W			2700	1070	ī		ī
3C247	10 58 59.0 10 58 59.0		WFC	IMAGE	ALL	F785LP		1	2700	1070	1		i
BD+Ø8D1436	10 59 2.5	7 55 5	WFC	IMAGE	ALL	F569W		1	2700 Ø	1082	1	ACQ	2
								1	1500	1082	1	~~q	2
BD+Ø8D1436	10 59 2.5	1 00 0	HSP/PMT/V IS	SELTI	1.0	F75ØW/F32ØN		1	1000	1502	ī		Z
A01Ø58+11	11 Ø 47.9	10 48 14	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1024	2	ACQ	1
A01058+11	11 Ø 47.9		FOS/RD	ACQ/BINA		MIRROR		1	11	1024	2	ACQ	1
A01Ø58+11	11 Ø 47.9		FOS/BL	ACCUM	1.0	G16ØL	1837	1	600	1024	2	•	1
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1 1 X CG														
·	D1 (0000)	D(0000)	Inst.	Operating	<b>A</b>	Spectral	Centrai	No.	Exp.	TD	_	Spec.	Tot	
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	cy.	Req.	Lin	es
A01Ø58+11	11 Ø 47.9	10 48 14	FOS/RD	ACCUM	1.0	G19ØH	198ø	1	800	1024	2			1
A01050+11 A01058+11	11 0 47.9		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	600	1024	2			ī
HD95418	11 1 50.4		F0C/288	OCC	512X1Ø24-FØ.4		2.00	ī	300	1275	2			ī
HD95418	11 1 50.4		F0C/288	occ	512X1Ø24-FØ.4			ī	100	1275	2			ī
HD95418	11 1 50.4		F0C/288	OCC	512X1Ø24-FØ.4			î	300	1275	2			ì
HD95418	11 1 50.4		F0C/288	occ		F342W P0L12Ø		ī	300	1275	2			î
HD95735	11 3 20.7		F0C/288	occ	512X512-FØ.4	F37ØLP		i	6ØØ	1274	2			ī
HD95735	11 3 20.7		F0C/288	OCC	512X512-FØ.4	F37ØLP		4	900	1274	2			2
HD95735	11 3 20.7		F0C/288	OCC	512X512-FØ.4	F37ØLP		5	900	1274	2			2
HD95735	11 3 20.7		F0C/288	OCC	512X512-FØ.4	F37ØLP		ĭ	1200	1274	2			ī
HD95735	11 3 20.7		F0C/288	OCC	512X512-FØ.4	F220W F278M F6ND		i	300	1274	2			2
HD95735	11 3 20.7		F0C/288	occ	512X512-FØ.4	F22ØW F278M F6ND		ī	600	1274	2			ī
HD95735	11 3 20.7		F0C/288	occ	512X512-FØ.4	F220W F278M F6ND		ī	240	1274	2	ACQ		ī
ARP148	11 3 53.5		WFC	IMAGE	ALL	F555W		ī	3Ø	1105	3			ī
ARP148	11 3 53.5		WFC	IMAGE	ALL	F7Ø2W		ī	3Ø	1105	3			ī
ARP148	11 3 53.5		WFC	IMAGE	ALL	F555W		ī	23Ø	1105	3			ī
ARP148	11 3 53.5		WFC	IMAGE	ALL	F555W		ī	1400	1105	3			ī
ARP148	11 3 53.5		WFC	IMAGE	ALL	F7Ø2W		1	23Ø	11Ø5	3			. 1
ARP148	11 3 53.5		WFC	IMAGE	ALL	F7Ø2W		1	1400	1105	3			ï
ARP148	11 3 53.5	40 51 1	WFC	IMAGE	ALL	F785LP		1	3Ø	1105	3			1
ARP148	11 3 53.5	40 51 1	WFC	IMAGE	ALL	F785LP		1	23Ø	1105	3			1
ARP148	11 3 53.5	40 51 1	WFC	IMAGE	ALL	F785LP		1	1400	1105	3			1
3C249.1	11 4 13.8	76 58 58	HSP/UV2	STAR-SKY	Ø.4-C	F14ØLP		1	6Ø	1099	2			10
PG11ØØ+772	11 4 13.8	76 58 58	WFC	IMAGE	ALL	F7Ø2W		1	2000	1015	2			1
PG11ØØ+772	11 4 13.8	76 58 58	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1Ø18	2	ACQ		1
PG11ØØ+772	11 4 13.8	76 58 58	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø18	2	ACQ		1
PG11ØØ+772	11 4 13.8		FOS/BL	ACCUM	1.0	G16ØL	1837	1	3ØØ	1Ø18	2			1
PG11ØØ+772	11 4 13.8		FOS/RD	ACCUM	1.0	G27ØH	2753	1	72Ø	1Ø18	2			1
SKY-BG3	11 4 13.8		•	ACCUM	1.0	G65ØL	6232	1	2000	1Ø15	1	PAR		1
MKN421	11 4 27.3		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON		1
MKN421	11 4 27.3		F0C/96	IMAGE	512X512	F37ØLP	4040	1	300	1Ø33	Ø			1
MKN421	11 4 27.3		F0C/96	IMAGE	512X512	F32ØW	3251	1	300	1Ø33	Ø			1
MKN421-FIELD	11 4 27.3	38 12 32	WFC	IMAGE	ALL	F439W	4353	1	15	1Ø33	2	ACQ	CON	1
MKN421-OFFSET	11 4 27.3			ACQ/BINA		MIRROR		1	11	1Ø33	2	ACQ	CON	1.
MRK421	11 4 27.3		FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1Ø29	2			2
MRK421	11 4 27.3		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	144Ø	1Ø29	2			1
MRK421	11 4 27.3		FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1500	1Ø29	2			1
MRK421	11 4 27.3		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	1	1029	2	ACQ		1
MRK421	11 4 27.3		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	1500	1Ø29				1
MRK421-FIELD	11 4 27.3		WFC	IMAGE	ALL	F439W	4353	1	15	1Ø29		ACQ		1
MRK421-OFFSET	11 4 27.3			ACQ/BINA		MIRROR		1	11	1029		ACQ		1
MRK421-OFFSET	11 4 27.3	and the second second	• .	ACQ/BINA		MIRROR		1	11	1Ø29		ACQ		1
MKN421	11 4 27.3		HSP/UV2	SINGLE	1.0	F14ØLP		1	6Ø	1099				27
MKN421	11 4 27.3		HSP/POL	SINGLE	POLØ	F216M		1	6Ø	1Ø99				4
MKN421	11 4 27.3		HSP/POL	SINGLE	POLØ	F277M		1	6Ø	1Ø99				28
MKN421	11 4 27.3		HSP/UV2	PEAKUP	10.0	F14ØLP		1	60	1Ø99		ACQ		27
MKN421	11 4 27.3		HSP/POL	SINGLE	P0L45	F216M		1	6Ø	1Ø99				4
MKN421	11 4 27.3		HSP/POL	SINGLE	POL45	F277M		1	6Ø	1099				28
MKN421	11 4 27.3		HSP/POL	SINGLE	POL9Ø	F216M		1	6Ø	1099				4
MKN421	11 4 27.3		HSP/POL	SINGLE	P0L9Ø	F277M		1	6Ø	1099				28
MKN421	11 4 27.3	38 12 32	HSP/POL	SINGLE	POL135	F216M		1	6Ø	1Ø99	1			4

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Tot Lin	
MKN421	11 4 27.3	38 12 32	HSP/POL	SINGLE	P0L135	F277M		1	6Ø	1Ø99	1			28
MKN421	11 4 28.2		HRS	ACCUM	Ø.25	G14ØM	1240	1	228Ø	1172	2	CON S		1
MKN421	11 4 28.2	38 12 39	HRS	ACCUM	Ø.25	G16ØM	1550	1	228Ø	1172	2	CON S	SEL	2
MKN421	11 4 28.2	38 12 39	HRS	ACCUM	Ø.25	G14ØL	1585	1	900	1172	1			1
MKN421	11 4 28.2	38 12 39	HRS	ACCUM	Ø.25	G14ØL	1315	1	78Ø	1172	1			1
MKN421	11 4 28.2	38 12 39	HRS	ACCUM	Ø.25	G14ØM	1216	1	228Ø	1172	2	CON S	SEL	1
MKN421	11 4 28.2	38 12 39	HRS	ACCUM	Ø.25	G16ØM	1657	1	228Ø	1172	2	CON S	SEL	1
CW11Ø3+254	11 5 39.7	25 6 29	F0S/BL	ACCUM	Ø.5	G16ØL		1	96Ø	1Ø51	1			6
CW11Ø3+254	11 5 39.7	25 6 29	FOS/BL	ACQ/BINA	4.3	MIRROR		1	3	1Ø51	1	ACQ		1
PKS1103-006	11 6 31.7		FOS/BL	ACCUM	Ø.5	G27ØH		1	1000	1043	3			1
PKS1103-006	11 6 31.7	-Ø 52 53	F0S/BL	ACCUM	Ø.5	G13ØH		2	2000	1043	3			1
PKS1103-008	11 6 31.7		FOS/BL	ACQ/BINA		MIRROR		1	11	1043	3	ACQ		1
NGC3516	11 6 47.5		HRS	ACCUM	2.0	G14ØL	1562	1	2400	116Ø	1			2
NGC3516	11 6 47.5		HRS	ACCUM	2.0	G14ØL	1562	1	2400	116Ø	2			1
NGC3518	11 6 47.5		HRS	ACCUM	2.0	G14ØL	1562	1	2400	1160	3			1
NGC3518	11 6 47.5		HRS	ACCUM	2.0	G27ØM	2822	1	1200	1160	1			2
NGC3516	11 6 47.5		HRS	ACCUM	2.0	G27ØM	2822	1	1200	1160	2			1
NGC3516	11 6 47.5		HRS	ACCUM	2.0	G27ØM	2822	1	1200	1160	3			1
MC11Ø4+167	11 7 15.1		FOS/RD	ACCUM	Ø.5	PRISM	3500	1	200	1026	2			1
MC11Ø4+167	11 7 15.1		FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	3000	1026	2			1
MC11Ø4+187	11 7 15.1	16 28 2 16 28 2	FOS/RD	ACCUM ACCUM	Ø.5 Ø.5	G19ØH G27ØH	1900 2700	1 1	2000 600	1Ø26 1Ø26	2 2			1
MC1104+167	11 7 15.1	77 73 7	FOS/RD FOS/BL	ACQ/BINA		MIRROR	2100	1	5	1026	2	ACO		1
MC11Ø4+187 MC11Ø4+187	11 7 15.1 11 7 15.1		FOS/RD		4.3	MIRROR		1	5	1026	2	ACQ ACQ		1
3C252	11 11 33.1		WFC	IMAGE	ALL	F7Ø2W		ī	2700	1070	1	ACU		1
3C252	11 11 33.1		WFC	IMAGE	ALL	F85ØLP		1	2700	1070	i			i
3C252	11 11 34.7		PC	IMAGE	ALL	F6Ø6W		î	1200	1058	ī			1
HD9795ØAB	11 13 41.5		F0C/96	IMAGE	512X512	F55ØM F6ND		ī	240	1255	î			î
HD9795ØAB	11 13 41.5		F0C/288	IMAGE	512X512	F19ØM F6ND		ī	300	1255	ī			ī
HD9795ØAB	11 13 41.5		F0C/288	IMAGE	512X512	F19ØM F8ND		1	300	1255	ī			ī
HD9795ØAB	11 13 41.5		F0C/288	IMAGE	512X512	F19ØM F4ND		1	600	1255	2			3
HD9795ØAB	11 13 41.5		F0C/288	IMAGE	512X512	F165W PRISM1		1	900	1255	2			2
HD9795ØAB	11 13 41.5		F0C/288	IMAGE	512X512	F165W PRISM1		1	240	1255	1			1
HD9795ØAB	11 13 41.5	-61 4 45	F0C/288	IMAGE	512X512	F1ND F4ND F55ØM		1	54Ø	1255	2			1
HD976Ø3	11 14 6.4	20 31 25	F0C/288	DCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2			1
HD976Ø3	11 14 6.4	20 31 25	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2			1
HD976Ø3	11 14 6.4	20 31 25	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD976Ø3	11 14 6.4	20 31 25	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD97633	11 14 14.4	15 25 46	HRS	ACCUM	Ø.25	ECH-B	1942	1	193	1182	2			1
PK148+57D1	11 14 47.9		WFC	IMAGE	ALL	F122M		1	2400	1074	2			1
PK148+57D1	11 14 47.9		WFC	IMAGE	ALL	F284W		1	2400	1074	2			1
NGC36Ø3		-61 15 43	WFC	IMAGE	ALL	F469N		1	8	1121	1			1
NGC36Ø3	11 15 5.3		WFC	IMAGE	ALL	F5Ø2N		1	100	1121	1			1
NGC36Ø3	11 15 5.3		WFC	IMAGE	ALL	F656N		1	3Ø	1121	1			1
NGC36Ø3		-61 15 43	WFC	IMAGE	ALL	F658N		1	300	1121	1	4.00		1
NGC36Ø3		-61 15 43	WFC	IMAGE	ALL	F555W		1	Ø	1121	1	ACQ		1
NGC36Ø3		-61 15 43	WFC	IMAGE	ALL	F336W		1	Ø	1121	3			1
NGC36Ø3		-61 15 43	WEC	IMAGE	ALL	F555W F85ØLP		1	Ø 2	1121	3			1
NGC36Ø3		-61 15 43	WFC	IMAGE IMAGE	ALL	F702W		1 1	_	1121	3			1
NGC36Ø3		-61 15 43	WFC WFC	IMAGE	ALL ALL	F702W		1	1	1121	1			1
NGC36Ø3		-61 15 43		ACCUM		G14ØL	1600	3	200	1121	_			1 1
HD9795ØA1	11 15 7.1	-61 15 35	HRS	ACCOM	Ø.25	GITE	1000	3	300	1164	2			, <b>T</b>

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
HD9795ØA1	11 15 7.1	-61 15 35	HRS	ACCUM	Ø.25	G14ØL	1320	7	300	1164	2		1
HD9795ØB	11 15 7.1	-61 15 35	HRS	ACCUM	Ø.25	G14ØL	1600	3	300	1164	2		1
HD9795ØB	11 15 7.1	-61 15 35	HRS	ACCUM	Ø.25	G14ØL	132Ø	7	300	1164	2		1
HD98Ø58	11 16 39.6	-3 39 6	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD98Ø58	11 16 39.6	-3 39 6	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1
HD98Ø58	11 16 39.6	-3 39 6	F0C/288	occ	512X1Ø24-FØ.4			1	300	1275	2		1
HD98Ø58	11 16 39.6	-3 39 6	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
PG1115+Ø8ØA-OFFSET	11 18 13.9	7 46 28	FOS/BL	ACQ/BINA		MIRROR		1	11	1026	1	ACQ	1
PG1115+Ø8ØA-OFFSET	11 18 13.9	7 46 28	FOS/RD	ACQ/BINA		MIRROR		1	11	1026	1	ACQ	1
PG1115+Ø8ØA-OFFSET	11 18 13.9	7 46 28	FOS/BL	ACQ/BINA		MIRROR		1	11	1030	1	ACQ	1
PG1115+Ø8ØA-OFFSET	11 18 13.9	7 46 28	FOS/RD	ACQ/BINA		MIRROR		1	11	1030	1	ACQ	1
PG1115+Ø8ØA	11 18 16.9	7 45 59	FOS/RD	ACCUM	Ø.3	G4ØØH	4000	1	600	1026	1	•	ï
PG1115+Ø8ØA	11 18 16.9	7 45 59	FOS/BL	ACCUM	Ø.3	G13ØH	1300	1	8000	1026	1		1
PG1115+Ø8ØA	11 18 16.9	7 45 59	FOS/RD	ACCUM	Ø.3	G19ØH	1900	1	4000	1026	1		ī
PG1115+Ø8ØA	11 18 16.9	7 45 59	F0S/RD	ACCUM	Ø.3	G27ØH	2700	1	1600	1026	1		1
PG1115+Ø8ØD	11 18 16.9	7 45 59*	•	ACCUM	Ø.3	G4ØØH	4000	1	600	1030	1		1
PG1115+Ø8ØD	11 18 16.9	7 45 59*	•	ACCUM	Ø.3	G13ØH	1300	1	8000	1030	1		1
PG1115+Ø8ØD	11 18 16.9	7 45 59+		ACCUM	Ø.3	G19ØH	1900	1	4000	1030	1		1
PG1115+Ø8ØD	11 18 16.9	7 45 59*		ACCUM	Ø.3	G27ØH	2700	1	1600	1030	1		1
PG1115+Ø8	11 18 17.0	7 48 Ø	F0C/96	IMAGE	512X512	F1ND F342W		1	1800	1059	Ø		ī
PG1115+Ø8Ø	11 18 17.0	7 48 Ø	PC	IMAGE	ALL	F555W		1	35	1116	1		ī
PG1115+Ø8Ø	11 18 17.0	7 46 Ø	PC	IMAGE	ALL	F555W		1	35Ø	1116	1		ī
PG1115+Ø8Ø	11 18 17.0	7 48 Ø	PC	IMAGE	ALL	F785LP		1	6Ø	1116	1		1
PG1115+Ø8Ø	11 18 17.0	7 48 Ø	PC	IMAGE	ALL	F785LP		1	600	1116	1		<u>1</u>
PG1115+Ø8Ø	11 18 17.0	7 48 Ø	WFC	IMAGE	ALL	F785LP		1	2000	1116	1		<u>1</u>
PG1115+Ø8Ø	11 18 17.0	7 46 Ø	WFC	IMAGE	ALL	F785LP		1	25Ø	1116	1		1
PG1115+Ø8Ø	11 18 17.Ø	7 48 Ø	HRS	ACCUM	2.0	G27ØM	276Ø	1	78ØØ	1144	2		ī
PG1115+Ø8Ø	11 18 17.0	7 46 Ø	HRS	ACCUM	2.0	G14ØL	1482	1	588Ø	1144	2		1
PG1115+4Ø7	11 18 30.6	40 25 50	WFC	IMAGE	ALL	F725LP		1	14	1116	3		1
PG1115+4Ø7	11 18 30.6	40 25 50	WFC	IMAGE	ALL	F725LP		1	1700	1116	3		1
PG1115+407	11 18 30.6	40 25 50	WFC	IMAGE	ALL	F725LP		1	212	1116	3		1
PG1116+215	11 19 8.7	21 19 18	WFC	IMAGE	ALL	F7Ø2W		1	400	1015	1		1
PG1116+215	11 19 8.7	21 19 18	WFC	IMAGE	ALL	F7Ø2W		1	1600	1015	1		1
SKY-BG4	11 19 8.7	21 19 18*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2000	1Ø15	1	PAR	1
PG1116+215	11 19 8.7	21 19 18	FOS/RD	ACQ/BINA	4.3	MIRROR		1	4	1018	1	ACQ	1
PG1116+215	11 19 8.7	21 19 18	FOS/BL	ACQ/BINA	4.3	MIRROR		1	7	1018	1	ACQ	1
PG1116+215	11 19 8.7	21 19 18	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1Ø18	2	ACQ	1
PG1116+215	11 19 8.7	21 19 18	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	7ØØ	1Ø18	1	-	1
PG1116+215	11 19 8.7	21 19 18	FOS/RD	ACCUM	1.0	G27ØH	2753	1	5ØØ	1018	1		1
PG1116+215	11 19 8.7	21 19 18	FOS/RD	ACCUM	1.0	G65ØL	6232	1	9Ø	1Ø18	2		1
PG1116+215	11 19 8.7	21 19 18	F0S/BL	ACCUM	1.0	G13ØH	1379	1	1500	1Ø18	1		1
OFFSET-PG1116+215	11 19 8.7	21 19 18*		ACQ/BINA	4.3	MIRROR		1	11	1018	2	ACQ	1
OFFSET-PG1116+215	11 19 8.7	21 19 18*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2500	1018	2	•	1
3C256	11 20 43.1	23 27 55	WFC [*]	IMAGE	ALL	F725LP		1	2000	1116	1		1
3C256	11 20 43.1	23 27 55	WFC	IMAGE	ALL	F725LP		1	25Ø	1116	1		1
A1118-61		-61 54 58	HSP/UV1	PRISM	1.0	F248M/F135W		1	3000	1091	1		1
CEN-X-3	11 21 15.2		HSP/UV1	SINGLE	1.0	F135W		1	2000	1091	1		1
UGC8458	11 28 Ø.3	78 59 36	WFC	IMAGE	ALL	F555W		1	3Ø	1105			• 1
UGC6458	11 28 Ø.3	78 59 36	WFC	IMAGE	ALL	F555W		1	23Ø	1105			1
UGC8458	11 28 Ø.3	78 59 36	WFC	IMAGE	ALL	F555W		ī	1400	11Ø5			. 1
UGC6456	11 28 Ø.3	78 59 36	WFC	IMAGE	ALL	F785LP		ī	3Ø	11Ø5	_		1
UGC6456	11 28 Ø.3	78 59 36	WFC	IMAGE	ALL	F785LP		1	23Ø	1105			1.

							Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
	Target	RA (2	2000	ð)	Dec	(2000)	Config.	Mode	Aperture	Element	Wave.		. Time	ID	_	<u>.</u> .	Lines
	UGC6456	11.2	28	Ø.3	78	59 36	WFC	IMAGE	ALL	F785LP		1	1400	1105	3		1
	VIIZW4Ø3	11 2	28	Ø.7	78	59 37	PC	IMAGE	ALL	F85ØLP		1	600	1246	2		1
	VIIZW4Ø3	11 2	28	Ø.7	78	59 37	F0C/96	IMAGE	512X512	F342W		1	600	1246	2		1
	VIIZW4Ø3	11 2	28	Ø.7	78	59 37	F0C/96	IMAGE	512X512	F165W		1	2400	1246	2		1
	VIIZW4Ø3	11 2	28	Ø.7	78	59 37	F0C/96	IMAGE	512X512	F437M		1	1400	1246	2		1
	INCA221-66	11 2	29 1	12.3	-14	47 48	FGS	POS	2	F583W		1	51	157Ø	1		2
	INCA221-66					47 48	FGS	POS	2	F583W		1	51	157Ø	2		2
	POINT1127-145INCA221	11 2	29 4	40.1	-14	58 28	S/C	POINTING	V1			1	Ø	157Ø	1		1
	-66																
	POINT1127-145INCA221	11 2	29 4	40.1	-14	58 28	s/c	POINTING	V1			1	Ø	157Ø	2		1
	-66																
	1127-145INCA221-66	11 3				49 28	FGS	POS	2	F583W		1	51	157Ø	1		3
	1127-145INCA221-66	11 3				49 28	FGS	POS	2 .	F583W		1	51	1570	2		3
	1127-145INCA221-67	11 3				49 28	FGS	POS	2	F583W		1	51	157Ø	1		3
	1127-145INCA221-67	11 3				49 28	FGS	POS	2	F583W		1	51	157Ø	2		3
	INCA221-67	11 3	3Ø 3	33.4	-14	41 21	FGS	POS	2	F583W		1	51	157Ø	1		2
	INCA221-67	11 3				41 21	FGS	POS	2	F583W		1	51	157Ø	2		2
	POINT1127-145INCA221	11 3	3Ø 5	58.Ø	-14	52 46	S/C	POINTING	V1			1	Ø	157Ø	1		1
	-67																
	POINT1127-145INCA221	11 3	3Ø 5	58.Ø	-14	52 46	S/C	POINTING	V1			1	Ø	157Ø	2		1
	<b>-67</b>														_		_
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G27ØM	2826	1	600	1160	1		2
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G27ØM	2826	1	600	1160	2		1
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G27ØM	2826	1	600	1160	3		1
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G14ØL	1564	1	710	1160	1		2
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G14ØL	1564	1	710	1160	2		1
	NGC3783	11 3				44 18	HRS	ACCUM	2.0	G14ØL	1564	1	710	1160	3		1
	NGC3783	11 3	_			44 21	HRS	ACCUM	2.0	G2ØØM	1910	1	300	1170	3		1
	NGC3783	11 3	-			44 21	HRS	ACCUM	2.0	G14ØL	1590	1	1740	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G27ØM	273Ø	1	120	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G27ØM	277Ø	1	120	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G27ØM	281Ø	1	120	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G14ØL	1315	1	138Ø	117Ø	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G2ØØM	1946	1	300	117Ø	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G2ØØM	1984	1	300	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G2ØØM	1872	1	300	1170	3		1
	NGC3783	11 3				44 21	HRS	ACCUM	2.0	G27ØM	2926	1	180	117Ø	3		1
	NGC3783					44 21	HRS	ACCUM	2.0	G27ØM	2846	1	180	1170	3		1
	NGC3783	11 3		_		44 21	HRS	ACCUM	2.0	G27ØM	2886	1	18Ø	117Ø			1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F194W		1	900	1Ø36		ACQ	1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F375N		1	900	1036	Ø	ACQ	1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F502N		1	900	1036		ACQ	1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F664N		3	300	1Ø36		ACQ	1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F23ØW		1	720	1036		ACQ	1
	NGC3783	11 3				44 19	PC	IMAGE	ALL	F547M		1	18Ø	1036		ACQ	1
	NGC3783	11 3				44 19	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø36		SEL	1
•	NGC3783	11 3				44 19	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036		SEL	1
	NGC3783	11 3		_		44 19	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø36		SEL	1
	NGC3783	11 3				44 19	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	_	SEL	1
	NGC3783	11 3		_		44 19	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036		SEL	1
	NGC3783	11 3				44 19	FOS/BL	ACQ/BINA		MIRROR		1	1	1Ø36		ACQ S	
	NGC3783	11 3	39	1.8	-37	44 19	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	2	ACQ SI	EL 1

		1	Inst. O	perating		Spectral	Central	No.	Exp.		;	Spec.	Tota	<b>.</b> 1
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID		Req.	Line	
NOCOZOO CLOUDA	44 00 3 -		F00 /01	ACC194	<i>a</i> 2	012 <i>0</i> U			000	1,000	_			
NGC3783-CLOUD1		-37 44 19+ F		ACCUM	Ø.3	G13ØH		1	6ØØ	1036	2	SEL		1
NGC3783-CL0UD1		-37 44 19* F		ACCUM	Ø.3	G19ØH		1	300	1036	2	SEL		1
NGC3783-CLOUD1		-37 44 19* F		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC3783-CL0UD1		-37 44 19* F	•	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC3783-CLOUD1		-37 44 19* F		ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
NGC3783-CL0UD2		-37 44 19* F	• .	ACCUM	Ø.3	G13ØH		1	600	1036	2	SEL		1
NGC3783-CL0UD2		-37 44 19* F		ACCUM	Ø.3	G19ØH		1	300	1036	2	SEL		1
NGC3783-CL0UD2		-37 44 19* F		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC3783-CL0UD2		-37 44 19* F		ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC3783-CL0UD2		-37 44 19* F	•	ACCUM	Ø.3	G57ØH		1	300	1Ø36	2	SEL		1
NGC3783-CLOUD3		-37 44 19* F		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC3783-CLOUD3		-37 44 19* F	• .	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC3783-CLOUD3		-37 44 19* F		ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
NGC3783-CL0UD3		: −37 44 19 <b>*</b> F		ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC3783-CL0UD3		: -37 44 19∗ F		ACCUM	Ø.3	G13ØH		1	600	1036	2	CON S	SEL	1
NGC3783-CLOUD3	11 39 1.8	-37 44 19 <b>*</b> F	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2	CON S	SEL	1
NGC3783-CLOUD4	11 39 1.8	: −37 44 19 <b>+</b> F	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC3783-CLOUD5	11 39 1.8	-37 44 19 <b>∗</b> F	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC38Ø1	11 40 16.2	17 43 42 F	F0C/98	IMAGE	512X512	F13ØM		1	600	1228	2			1
NGC38Ø1	11 40 18.2	17 43 42 F	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2			1
NGC38Ø1	11 40 18.2	17 43 42 F	F0C/96	IMAGE	512X512	F5Ø2M		1	6ØØ	1228	2			1
NGC38Ø1	11 40 16.2	17 43 42 F	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2			1
NGC38Ø1	11 40 16.2	17 43 42 F	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
NGC38Ø1	11 40 16.2	17 43 42 F	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON		1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	PC .	IMAGE	ALL	F128LP		1 :	2125	1032	2	ACQ		1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	PC	IMAGE	ALL	F85ØLP		1 :	2125	1Ø32	2	ACQ		1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	FOS/RD	ACCUM	Ø.5	G65ØL		1	84Ø	1032	2	CON S	SEL	1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	FOS/RD	ACCUM	Ø.5	PRISM		1	84Ø	1032	2	CON S	SEL	1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	FOS/RD	ACQ/BINA	4.3	MIRROR		1	6	1032	2		ON	1
PG1138+Ø4Ø	11 41 16.5		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		1	7659	1Ø32	2		SEL	1
PG1138+Ø4Ø	11 41 16.5		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	7659	1032	2		SEL	1
PG1138+Ø4Ø	11 41 16.5	3 47 Ø F	FOS/RD	ACQ/PEAK	Ø.7X2.Ø-BAR	MIRROR		1	3Ø	1032	2	ACQ C	CON	1
SKY14	11 41 16.5		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	2125	1032	2	PAR		2
NGC3862	11 45 4.6	19 36 26 F	F0C/288	IMAGE	512X512	F32ØW		1	600	1057	1	CON		1
NGC3862	11 45 4.6		F0C/96	IMAGE	512X512	F1ND F32ØW		1	600	1057				1
NGC3862	11 45 4.6		F0C/96	IMAGE	512X512	F1ND F5Ø2M		1	300	1057	Ø			ī
NGC3862	11 45 4.6		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500		7200	1057	ī	CON		ī
NGC3862	11 45 4.6		F0C/48	IMAGE	128X128-ASLIT	F43ØW	3920	1	100	1057	ī	ACQ (	CON	ī
3C264	11 45 5.0		FOS/RD	ACCUM	Ø.5	PRISM	5400	ī	500	1033	2	CON		ī
3C264	11 45 5.0		F0C/96	IMAGE	512X512	F37ØLP	4949	ī	300	1033	ø	••••		ī
3C264	11 45 5.0		F0C/96	IMAGE	512X512	F32ØW	3251	ī	300	1033	ø			ī
3C264-OFFSET	11 45 5.0		FOS/RD	ACQ/BINA		MIRROR	0201	ī	11	1033	2	ACQ (	ากห	ī
3C284-FIELD	11 45 5.0		WFC	IMAGE	ALL	F439W	4353	ī	15	1033	2	ACQ (		i
3C285	11 45 28.6	31 33 48 F	F0C/98	IMAGE	512X512	F48ØLP		1	1740	1Ø58	2			1
3C265	11 45 29.0		WFC	IMAGE	ALL	F555\			2700	1070	- 1			ī
3C265	11 45 29.0		WFC	IMAGE	ALL	F785LP		_	2700	1070	ī			ī
3C266	11 45 43.4		WFC	IMAGE	ALL	F7Ø2W			2700	1070	ø			î
3C266	11 45 43.4		WFC	IMAGE	ALL	F791W		_	2700	1070	1			ī
3C266	11 45 43.4		WFC	IMAGE	ALL	F85ØLP			27ØØ	1070	ø			1
POINT1144-379INCA221			s/č	POINTING				î	Ø	1532				2
-68	44 TV 10.0	30 <i>EN</i> 33 (	~, <b>~</b>	· OTITITIO	•-			•	Ð	1992	1			_

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
INCA221-68	11 46 35.5	-38 8 59	FGS	POS	2	F583W		1	102	1532	1			5
1144-379INCA221-68	11 47 1.4	-38 12 11	FGS	POS	2	F583W		1	102	1532	1			6
1144-379INCA221-69		-38 12 11	FGS	POS	2	F583W		1	102	157Ø	1			3
1144-379INCA221-69		-38 12 11	FGS	POS	2	F583W		1	102	1570	2			3
1E1145.1-6141	11 47 28.6		HSP/UV1	PRISM	1.0	F248M/F135W		1	3000	1091	1			1
POINT1144-379INCA221			S/C	POINTING	_	, ,		ĩ	Ø	157Ø	1			1
-69	1	00 10 00	0, 0	, 02.111.2.110	**			_	_		_			-
POINT1144-379INCA221	11 47 45.8	-38 18 33	S/C	POINTING	V1			1	Ø	157Ø	2			1
-69			•											
INCA221-69	11 47 48.7	-38 7 11	FGS	POS	2	F583W		1	102	157Ø	1			2
INCA221-69	11 47 48.7	-38 7 11	FGS	POS	2	F583W		1	102	157Ø	2			2
4U1145-619	11 48 Ø.1	-62 12 25	HSP/UV1	PRISM	1.0	F248M/F135W		1	3000	1091	1			1
HD1Ø2647	11 49 3.5	14 34 19	F0C/288	DCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2			1
HD1Ø2647	11 49 3.5	14 34 19	F0C/288	occ	512X1Ø24-FØ.4			1	100	1275	2			1
HD1Ø2647	11 49 3.5	14 34 19	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD1Ø2647	11 49 3.5		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
3C267	11 49 56.6	12 47 19	F0C/96	IMAGE	512X512	F342W		1	2000	1229	2			1
3C267	11 49 56.6	12 47 19	F0C/96	IMAGE	512X512	F43ØW		1	2000	1229	2			1
3C267	11 49 58.8		WFC	IMAGE	ALL	F7Ø2W		1	2700	1070	Ø			1
3C267	11 49 58.6	12 47 19	WFC	IMAGE	ALL	F791W		1	27ØØ	1070	1			1
3C267	11 49 56.6	12 47 19	WFC	IMAGE	ALL	F85ØLP		1	27ØØ	1070	Ø			1
PKS1148-ØØ	11 50 43.8	-Ø 23 55	FOS/BL	ACCUM	Ø.5	PRISM	3500	1	500	1028	2			1
PKS1148-ØØ	11 50 43.8		FOS/BL	ACCUM	Ø.5	G16ØL	165Ø	1	1000	1028	2			1
PKS1148-ØØ	11 50 43.8		FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	3600	1Ø28	3	CON		1
PKS1148-ØØ	11 50 43.8		FOS/BL	ACCUM	Ø.5	G19ØH	1900	1	2400	1028	3	CON		1
PKS1148-ØØ	11 50 43.8		FOS/BL	ACCUM	Ø.5	G27ØH	2700	1	1200	1028	3	CON		1
PKS1148-ØØ	11 50 43.8	-Ø 23 55	FOS/BL	ACQ/BINA		MIRROR		1	11	1028	2	ACQ		1
PKS1148-ØØ	11 50 43.8		FOS/BL	ACQ/BINA		MIRROR		1	13	1028	3	ACQ	CON	1
INCA221-72	11 52 54.1		FGS	POS	2	F583W		1	51	1570	1			4
INCA221-72	11 52 54.1		FGS	POS	2	F583W		1	51	157Ø	2			2
1150-388	11 53 12.1		F0C/96	IMAGE	512X512	F342W		1	3ØØ	1244	2			1
1150-388	11 53 12.1		F0C/96	IMAGE	512X512	F43ØW		1	300	1244	2			1
1150-388	11 53 12.1		F0C/96	IMAGE	512X512	F5Ø2M		1	600	1244	2			1
1150+497	11 53 24.4	49 31 9	PC	IMAGE	P8	F6Ø6W		1	26	1139	2			1
1150+497	11 53 24.4	49 31 9	PC	IMAGE	P8	F725LP		1	5Ø	1139	2			1
115Ø+497INCA221-72	11 53 24.4	49 31 9	FGS	POS	2	F583W		1	51	1570	1			6
115Ø+497INCA221-72	11 53 24.4	49 31 9	FGS	POS	2	F583W		1	51	1570	2			3
LB2136	11 53 24.5	49 31 9	WFC	IMAGE	ALL	F375N		1	3ØØ	1116	3			1
LB2136	11 53 24.5	49 31 9	WFC	IMAGE	ALL	F375N		1	1800	1116	3			1
MKN42	11 53 42.1	46 12 43	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	3ØØ	1227	2			1
MKN42	11 53 42.1		F0C/96	IMAGE	512X512	F55ØM	547Ø	1	300	1227	2			1
MKN42	11 53 42.1		F0C/48	SPEC	256X1Ø24-SLIT			1	400	1227	2			1
MKN42	11 53 42.1		F0C/48	SPEC	256X1Ø24-SLIT		445Ø	1	3ØØ	1227	2			1
PG1151+117	11 53 49.2		FOS/BL	ACQ/BINA		MIRROR		1	11	1025	2	ACQ		1
PG1151+117	11 53 49.2		FOS/RD	ACQ/BINA		MIRROR		1	11	1025	2	ACQ		2
PG1151+117	11 53 49.2		FOS/RD	ACCUM	1.0	G27ØH	2753	1	800	1025	2	•		1
PG1151+117	11 53 49.2		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	120	1025	2			1
PG1151+117	11 53 49.2		FOS/RD	ACCUM	1.0	G19ØH	1980	ĩ	720	1025	2			ī
POINT115Ø+497INCA221			S/C	POINTING			=	1	Ø	157Ø	1			2
-72			-, -		- <b>-</b>			-	-	<del>-</del>	_			
P0INT115Ø+497INCA221	11 54 15.4	49 24 11	S/C	POINTING	V1			1	Ø	157Ø	2			1
-72	- · • ·	· - <del></del>	, -											

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	-
BE-UMA	11 57 44.8	48 56 19	HRS	ACCUM	2.0	G14ØL	152ø	15	60	1148	2			3
NGC3998	11 57 56.1		PC	IMAGE	ALL	F375N		1	900	1038	ø	ACQ		ĭ
NGC3998	11 57 56.1		PC	IMAGE	ALL	F5Ø2N		ī	900	1Ø38	Ø	ACQ		ī
NGC3998	11 57 56.1		PC	IMAGE	ALL	F547M	The second	1	9ØØ	1038	Ø	ACQ		ĭ
NGC3998	11 57 56.1	55 27 12	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1038	2			ī
NGC3998	11 57 56.1		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2			1
NGC3998	11 57 56.1	55 27 12	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø38	2			1
NGC3998	11 57 56.1	55 27 12	FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1038	2			1
NGC3998	11 57 56.1	55 27 12	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2			1
NGC3998-CLOUD1	11 57 56.1			ACCUM	Ø.3	G13ØH		1	600	1Ø38	2			1
NGC3998-CLOUD1	11 57 56.1			ACCUM	Ø.3	G19ØH		1	3ØØ	1Ø38	2			1
NGC3998-CLOUD1	11 57 56.1			ACCUM	Ø.3	G27ØH		1	3ØØ	1Ø38	2			1
NGC3998-CLOUD1	11 57 56.1			ACCUM	Ø.3	G4ØØH		1	300	1Ø38	2			1
NGC3998-CLOUD1	11 57 56.1			ACCUM	Ø.3	G57ØH		1	300	1038	2			1
NGC3998-CLOUD2	11 57 56.1			ACCUM	Ø.3	G13ØH		1	600	1038	2			1
NGC3998-CLOUD2	11 57 56.1			ACCUM	Ø.3	G19ØH		1	300	1Ø38	2			1
NGC3998-CLOUD2	11 57 58.1			ACCUM	Ø.3	G27ØH		1	300	1Ø38	2			1
NGC3998-CLOUD2	11 57 58.1			ACCUM	Ø.3	G4ØØH		1	3ØØ	1038	2			1
NGC3998-CLOUD2	11 57 56.1			ACCUM	Ø.3	G57ØH		1	3ØØ	1038	2			1
NGC3998-CLOUD3	11 57 56.1			ACCUM	Ø.3	G27ØH		1	3ØØ	1038	2	SEL		1
NGC3998-CLOUD3	11 57 56.1			ACCUM	Ø.3	G4ØØH		1	3ØØ	1038	2	SEL		1
NGC3998-CLOUD3	11 57 58.1			ACCUM ACCUM	Ø.3 Ø.3	G57ØH G57ØH		. 1	300	1038	2	SEL		1
NGC3998-CLOUD3	11 57 58.1 11 57 58.1			ACCUM	Ø.3	G13ØH		1	6ØØ 6ØØ	1Ø38 1Ø38	2	SEL CON		1
NGC3998-CLOUD3 NGC3998-CLOUD3	11 57 56.1			ACCUM	Ø.3	G19ØH		1 1	300	1038	2	CON		1
NGC3998-CL0UD4	11 57 58.1			ACCUM	Ø.3	G57ØH		1	600	1038	2	SEL		1
NGC3998-CL0UD5	11 57 56.1			ACCUM	Ø.3	G57ØH		1	600	1038	2	SEL		ī
NGC3998-OFFSET-STAR	11 57 58.1			ACQ/BINA		MIRROR		ī	5	1038	2	ACQ		ī
NGC3998-OFFSET-STAR	11 57 56.1			ACQ/BINA		MIRROR		ī	5	1038	2	ACQ		î
NGC3998-NUC	11 57 56.2		PC	IMAGE	ALL	F7Ø2W		ī	6	1118	3			ī
NGC3998-NUC	11 57 56.2		PC	IMAGE	ALL	F7Ø2W		ī	6Ø	1118	3			1
NGC3998-NUC	11 57 56.2		PC	IMAGE	ALL	F555W		1	378	1118	3			1
NGC3998-NUC	11 57 56.2	55 27 13	PC	IMAGE	ALL	F664N		1	120	1118	3			1
NGC3998-NUC	11 57 56.2	55 27 13	PC	IMAGE	ALL	F664N		1	1200	1118	3			1
NGC3998-NUC	11 57 56.2	55 27 13	PC	IMAGE	ALL	F785LP		1	27	1118	3			1
NGC3998-NUC	11 57 56.2	55 27 13	PC	IMAGE	ALL	F555W		1	37	1118	3			1
NGC3998-NUC	11 57 56.2		PC	IMAGE	ALL	F785LP		1	269	1118	3			1
NGC3998-OFFSET-STARS	11 57 59.3	55 26 47*	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø38	Ø	ACQ		1
-FIELD														
PG1159-Ø35	12 1 46.0	the second secon	HRS	ACCUM	2.0	G14ØL	1520	15	60	1148	2			2
1159+123	12 1 47.9		F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø			1
NGC4Ø51	12 3 9.6		PC	IMAGE	ALL	F194W		1	900	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		PC	IMAGE	ALL	F375N		1	900	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		PC	IMAGE	ALL	F5Ø2N		1	900	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		PC PC	IMAGE	ALL	F664N		3	300	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		PC	IMAGE IMAGE	ALL	F23ØW		1	720	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		PC FOS/BL	ACCUM	ALL Ø.3	F547M		1	180	1036	Ø	ACQ		1
NGC4Ø51	12 3 9.6		FOS/BL	ACCUM	Ø.3 Ø.3	G13ØH		1	600	1036	1			1
NGC4Ø51	12 3 9.6 12 3 9.6		FOS/RD	ACCUM	Ø.3	G19ØH G27ØH		1	300	1036	1			1
NGC4Ø51			FOS/RD	ACCUM	Ø.3	G270H G4ØØH		1	300	1036	1			1
NGC4Ø51			FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	1			
NGC4Ø51	12 3 9.6	44 31 83	-03/ND	ACCOM	v.3	99150		1	300	1036	1			1

Target	RA (	200	(Ø)	Dec	(2Ø	ØØ)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
NGC4Ø51	12	3	9.6	44	31	53	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1ø36	1	ACQ SEL	CON	1
NGC4Ø51	12	3	9.6	44	31	53	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1ø36	2	ACQ SEL	CON	1
NGC4Ø51	12	3	9.6	44	31	53	FOS/RD	ACQ/BINA	4.3	MIRROR		• 1	1	1Ø36	2	ACQ SEL	CON	1
NGC4Ø51-CLOUD1	12	3	9.6	44	31	53*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1ø36	1	JLL		1
NGC4Ø51-CLOUD1	12	3	9.6	44	31	53*	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	1			1
NGC4Ø51-CLOUD1	12	3	9.6				FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	1			1
NGC4Ø51-CLOUD1	12	3	9.6				FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	1			ī
NGC4Ø51-CLOUD1	12	3	9.6				FOS/RD	ACCUM	Ø.3	G57ØH		ī	300	1036	ī			ī
NGC4Ø51-CLOUD2	12	3	9.6				FOS/BL	ACCUM	Ø.3	G13ØH		ī	600	1036	ī			ī
		3						ACCUM	Ø.3	G19ØH		ī	300	1036	î			i
NGC4Ø51-CLOUD2	12	-	9.6				FOS/BL					i	300					
NGC4Ø51-CLOUD2	12	3	9.6				FOS/RD	ACCUM	Ø.3	G27ØH		_		1036	1			1
NGC4Ø51-CLOUD2	12	3	9.6				FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	1			1
NGC4Ø51-CLOUD2	12	3	9.6				FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1Ø36	1			1
NGC4Ø51-CLOUD3	12	3	9.6	44	31	53*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC4Ø51-CLOUD3	12	3	9.6	44	31	53*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC4Ø51-CLOUD3	12	3	9.6	44	31	53*	FOS/RD	ACCUM	Ø.3	G57ØH		1	3ØØ	1036	2	SEL		1
NGC4Ø51-CLOUD3	12	3	9.6	44	31	53*	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC4Ø51-CLOUD3	12	3	9.6	44	31	53*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1036	2	CON	SEL	1
NGC4Ø51-CLOUD3	12	3	9.6				FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	CON	SEL	1
NGC4Ø51-CLOUD4	12	3	9.6				FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC4Ø51-CLOUD5	12	3	9.6				FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1Ø36	2	SEL		1
NGC4Ø51-OFFSET-STAR	12	3	9.6				FOS/BL	ACQ/BINA		MIRROR		1	1	1036	1	ACQ	SEL	ī
NGC4Ø51-OFFSET-STAR	12	3	9.6				FOS/BL	ACQ/BINA		MIRROR		1	1	1036	2	ACQ		ī
NGC4Ø51-OFFSET-STAR	12	3	9.8			53*	•	ACQ/BINA		MIRROR		ī	1	1036	2	ACQ		î
NGC4051	12	_	10.0		31		F0C/96	IMAGE	512X512	F152M	1500	ī	400	1227	2	neq	<b>ULL</b>	î
**	12				31		F0C/96	IMAGE	512X512	F486N	487Ø	î	400	1227	2			1
NGC4Ø51			10.0					IMAGE	512X512	F5Ø2M	495Ø	î	400	1227	2			1
NGC4Ø51	12		10.0		31		F0C/98	IMAGE		F19ØM	1975	1	400	1227	2			_
NGC4Ø51	12		10.0		31		F0C/96		512X512	F5Ø1N	5Ø1Ø	_	400		_			1
NGC4Ø51	12		10.0		31		F0C/96	IMAGE	512X512			1		1227	2			1
NGC4Ø51	12		10.0		31		F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	2			1
NGC4Ø51	12		10.0		31		FOC/48	SPEC	256X1Ø24-SLIT			1	500	1227	2			1
NGC4Ø51-OFFSET-STARS -FIELD			10.7			53*		IMAGE	ALL	F6Ø6W		1	15	1Ø36	Ø	ACQ		1
PG1202+281	12		42.1		54		WEC	IMAGE	ALL	F7Ø2W		1	400	1015				1
PG12Ø2+281	12	4	42.1	27	54	12	WFC	IMAGE	ALL	F7Ø2W			1600	1Ø15	Ø			1
SKY-BG5	12	4	42.1	27	54	12*	FOS/RD	ACCUM	1.0	G85ØL	6232	1	2000	1Ø15	1	PAR		1
PG12Ø2+281	12	4	42.2	27	54	12	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1018	2	ACQ		1
PG12Ø2+281	12	4	42.2	27	54	12	FOS/RD	A'C CUM	1.0	G19ØH	198Ø	1	600	1018	Ø			1
PG12Ø2+281	12		42.2		54		FOS/RD	ACCUM	1.0	G27ØH	2753	1	6ØØ	1018	Ø			1
PG12Ø2+281	12		42.2		54		FOS/BL	ACCUM	1.0	G13ØH	1379		1500	1018	_			1
PG1202+281	12		42.2			12	FOS/RD	ACQ/BINA		MIRROR		ī	5	1018		ACQ		î
					53		WFC	IMAGE	ALL	F725LP		î	8Ø	1116		ned		ī
PK\$1203+011	12		48.5							F725LP		i	200		_			î
PK\$12Ø3+Ø11	12		48.5		53		WFC	IMAGE	ALL					1116				
PKS1203+011	12		48.5	Ø		44	WFC	IMAGE	ALL	F725LP		1	1600	1116				1
POINT1208-399INCA221 -77		8	48.6	-40	22	54	s/C	POINTING				1	Ø	157Ø				2
POINT1206-399INCA221 -77	12	8	48.6	-40	22	54	s/c	POINTING				1	Ø	1570				1
INCA221-77	12	8	48.6	-40	23	9	FGS	POS	2	F583W		1	51	1570	1			4

Fixed Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectra! Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tot: Line	
INCA221-77	12 8 48.6	-40 23 9	FGS	POS	2	F583W		1	51	1570	2			2
HD105601-CALIB	12 9 27.9	38 37 58	F0C/288	IMAGE	256X256	F19ØM F4ND	1975	1	300	1227	2	CAL		1
HD1Ø56Ø1-CALIB	12 9 27.9	38 37 58	F0C/288	IMAGE	512X512	F190M F4ND	1975	1	300	1227	2	CAL		1
1206-399INCA221-77	12 9 35.4	-4Ø 16 12	FGS	POS	2	F583W		1	51	157Ø	1			6
12Ø6-399INCA221-77		-40 16 12	FGS	POS	2 .	F583W		1	51	157Ø	2			3
NGC4151	12 10 31.9	39 24 21	HSP/POL	SINGLE	POLØ	F216M		1	6Ø	1099	2			1
NGC4151	12 10 31.9	39 24 21	HSP/POL	SINGLE	POLØ	F237M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	P0LØ	F277M		1	6Ø	1099	2		•	1Ø
NGC4151	12 10 31.9	*	HSP/POL	SINGLE	P0LØ	F327M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL45	F216M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL45	F237M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL45	F277M		1	6Ø	1099	2			1Ø
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL45	F327M		1	60	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL9Ø	F216M		1	60	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	P0L9Ø	F237M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL9Ø	F277M		1	60	1099	2			10
NGC4151	12 10 31.9		HSP/POL	SINGLE	POL9Ø	F327M		1	6Ø	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	P0L135	F216M		1	60	1099	2			1
NGC4151	12 10 31.9		HSP/POL	SINGLE	P0L135	F237M		1 1	6Ø 6Ø	1Ø99 1Ø99	2			1
NGC4151 NGC4151	12 10 31.9 12 10 31.9		HSP/POL HSP/POL	SINGLE SINGLE	POL135 POL135	F277M F327M		1	60	1099	2			1Ø 1
NGC4151 NGC4151	12 10 31.9		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
NGC4151 NGC4151	12 10 32.2		F0C/48	SPEC	256X1Ø24-SLIT			_	1200	1228	2	CON		1
NGC4151	12 10 32.5		PC	IMAGE	ALL	F194W		i	900	1036	ø	ACQ		i
NGC4151	12 10 32.5		PC	IMAGE	ALL	F375N		ī	900	1036	ø	ACQ		ī
NGC4151	12 10 32.5		PC	IMAGE	ALL	F5Ø2N		ī	900	1036	ø	ACQ		ī
NGC4151	12 10 32.5		PC	IMAGE	ALL	F23ØW		ī	720	1036	ø	ACQ		ī
NGC4151	12 10 32.5		PC	IMAGE	ALL	F547M		ī	180	1036	ø	ACQ		ī
NGC4151	12 10 32.5		F0S/BL	ACCUM	Ø.3	G13ØH		1	600	1036	1			1
NGC4151	12 10 32.5		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	1			1
NGC4151	12 10 32.5		FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1Ø36	1			1
NGC4151	12 10 32.5	39 24 21	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1Ø36	1			1
NGC4151	12 10 32.5	39 24 21	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	1			1
NGC4151	12 10 32.5	39 24 21	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	1	ACQ	CON	1
NGC4151	12 10 32.5	39 24 21	FOS/BL	ACQ/BINA	1 2	MIRROR		1	1	1ø36	2	SEL ACQ	CON	1
NGC-101	12 10 32.0	39 24 21	1 03/06	ACG/DINA		MIKKOK		•		1030	2	SEL	COIN	•
NGC4151	12 10 32.5	39 24 21	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	2	ACQ SEL	CON	1
NGC4151-CLOUD1	12 10 32.5	39 24 21+	FOS/BI	ACCUM	Ø.3	G13ØH		1	600	1ø36	1	<b></b>		1
NGC4151-CLOUD1	12 10 32.5			ACCUM	Ø.3	G19ØH		ī	300	1036	ī			ī
NGC4151-CLOUD1	12 10 32.5			ACCUM	Ø.3	G27ØH		ī	300	1036	1			1
NGC4151-CLOUD1	12 10 32.5			ACCUM	Ø.3	G4ØØH		ī	300	1036	1			1
NGC4151-CLOUD1	12 10 32.5			ACCUM .	Ø.3	G57ØH		ī	300	1ø36	ī			1
NGC4151-CLOUD1	12 10 32.5			ACCUM	Ø.5	G16ØL	1725		1440	1029	2			1
NGC4151-CLOUD1	12 10 32.5			ACCUM	Ø.5	PRISM	3675		1440	1029	2			ī
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.3	G13ØH		ī	600	1036	ī			ī
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.3	G19ØH		ī	300	1036	ī			ī
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.3	G27ØH		ī	300	1036	ī			1
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.3	G4ØØH		ī	300	1036	ĩ			ī
NGC4151-CLOUD2	12 10 32.5		•	ACCUM	Ø.3	G57ØH		1	300	1036	1			1
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.5	G16ØL	1725	ĩ	1440	1029	2			1
			•											

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec. Req.	Totai Lines
1 a 1 geo	101(2000)	000 (2000)	••••••g•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							٠,٠		200
NGC4151-CLOUD2	12 10 32.5			ACCUM	Ø.5	PRISM	3675	1	1440	1029	2		1
NGC4151-CLOUD3	12 10 32.5	39 24 21*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL	1
NGC4151-CLOUD3	12 10 32.5	39 24 21*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL	1
NGC4151-CLOUD3	12 10 32.5			ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL	1
NGC4151-CLOUD3	12 10 32.5			ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC4151-CLOUD3	12 10 32.5			ACCUM	Ø.3	G13ØH		1	600	1036	2	CON S	
NGC4151-CLOUD3	12 10 32.5		• .	ACCUM	0.3	G19ØH		1	300	1036	2		EL 1
NGC4151-CLOUD4	12 10 32.5			ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC4151-CLOUD5	12 10 32.5			ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL	1
NGC4151-NUCLEUS	12 10 32.5		FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	2		2
NGC4151-NUCLEUS	12 10 32.5		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029	2	4.00	1
NGC4151-OFFSET	12 10 32.5			ACQ/BINA		MIRROR		1	11	1029	2	ACQ	.E1 1
NGC4151-OFFSET-STAR	12 10 32.5			ACQ/BINA		MIRROR		1	1	1036	1	ACQ S	
NGC4151-OFFSET-STAR	12 10 32.5			ACQ/BINA		MIRROR		1	1 1	1036	2	ACQ S	
NGC4151-OFFSET-STAR	12 10 32.5			ACQ/BINA		MIRROR F547M		_	3	1036	2	ACQ S	1
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F547M		1	3Ø	1118 1118	2 2		1
NGC4151-NUC	12 10 32.5		PC PC	IMAGE IMAGE	ALL ALL	F547M		1	3ØØ	1118	2		1
NGC4151-NUC	12 10 32.5		PC PC	IMAGE	ALL	F664N		1	2	1118	2		1
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F664N		í	20	1118	2		1
NGC4151-NUC	12 10 32.5 12 10 32.5		PC	IMAGE	ALL	F664N		1	200	1118	2		i
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F7Ø2W		i	Ø	1118	2		i
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F7Ø2W		i	2	1118	2		ī
NGC4151-NUC NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F7Ø2W		î	20	1118	2		ī
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F875M		ī	ĩ	1118	2		ī
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F875M		ī	15	1118	2		ī
NGC4151-NUC	12 10 32.5		PC	IMAGE	ALL	F875M		ī	150	1118	2		ī
NGC4151-P5	12 10 32.6			SPEC	256X1Ø24-SLIT		4450	1	1000	1222	2		1
NGC4151-P3	12 10 32.6			SPEC	256X1Ø24-SLIT	G45ØM	445Ø	1	1000	1222	2		1
NGC4151-P3	12 10 32.6			SPEC	258X1Ø24-SLIT	G15ØM	1483	1	2000	1222	2		1
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G2ØØM	1915	1	1800	1141	1		1
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G14ØL	1318	1	600	1141	1		1
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G14ØL	1523	1	600	1141	1		1
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G14ØL	1557	1	600	1141	1		1
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G14ØL	1523	1	6ØØ	1141	3	SEL	-3
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G16ØM	14Ø3	1	2700	1141	1		1
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G16ØM	1256	1	27ØØ	1141	1		1
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G16ØM	1339	1	27ØØ	1141	1		1
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G16ØM	1554	1	2700	1141	1		2
NGC4151	12 10 32.6	39 24 21	HRS	ACCUM	2.0	G27ØM	26Ø3	1	78Ø	1141	1		1
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G27ØM	28Ø9	1	72Ø	1141	1		1
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G16ØM	1554	1	2400	1141	3	SEL	3
NGC4151	12 10 32.6		HRS	ACCUM	2.0	G16ØM	1554	1	2700	1141	3	SEL	1
NGC4151-OFF	12 10 32.6			ACCUM	Ø.25	G2ØØM	1915	1	4200	1141	2	SEL	1
NGC4151-OFF	12 10 32.6			ACCUM	Ø.25	G16ØM	1554	1	4200	1141		SEL	1
NGC4151-OFF	12 10 32.6			ACCUM	Ø.25	G16ØM	1554	1	5100	1141	2	SEL	1
NGC4151-OFF	12 10 32.6			ACCUM	Ø.25	G16ØM	1554	1	8400	1141		SEL	1
NGC4151-NUC	12 10 32.6		F0C/96	IMAGE	256X256	F152M	1500	1	500	1222			1
NGC4151-NUC	12 10 32.6		F0C/96	IMAGE	256X256	F152M	1500	1	1000	1222			2
NGC4151-NUC	12 10 32.6		F0C/96	IMAGE	256X256	F5Ø1N	5010	1	500	1222			1
NGC4151-NUC	12 10 32.6		F0C/96	IMAGE	256X256	F5Ø1N	5010	1	700	1222			1
NGC4151-NUC	12 10 32.6	39 24 21	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	1000	1222	2		1

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
NGC4151-NUC	12 10 32.6	39 24 21	F0C/96	IMAGE	256X256	F2ND F5Ø1N	5010	1	5ØØ	1222	2		1
NGC4151-NUC	12 10 32.6	39 24 21	F0C/96	IMAGE	256X256	F2ND F5Ø1N	5010	1	700	1222	2		i
NGC4151-NUC	12 10 32.6				256X1Ø24-SLIT		445Ø	î	1200	1222	2		
		39 24 21	F0C/48	SPEC				_					1
NGC4151-NUC	12 10 32.6	39 24 21	F0C/48	SPEC	256X1Ø24-SLIT		445Ø	1	1600	1222	2		1
NGC4151-NUC	12 10 32.6	39 24 21	F0C/48	SPEC	256X1Ø24-SLIT		1483	1	1500	1222	2		1
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	512X512	F152M	1500	1	600	1227	Ø		1
NGC4151	12 10 32.8	39 24 21	F0C/98	IMAGE	512X512	F5Ø1N	5Ø1Ø	1	400	1227	Ø		1
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	512X512	F486N	487Ø	1	600	1227	Ø		1
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	512X512	F5Ø2M	495Ø	1	400	1227	Ø		1
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	512X512	F12ØM	1215	1	600	1227	Ø		ī
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	256X256	F19ØM	1975	1	600	1227	2		3
NGC4151	12 10 32.6	39 24 21	F0C/288	IMAGE	512X512	F5Ø1N	5010	ī	400	1227	ø		1
NGC4151				IMAGE	512X512	F55ØM	547Ø	ī	400	1227	ø	,	
	12 10 32.8	39 24 21	F0C/288				5476				_		1
NGC4151	12 10 32.6	39 24 21	F0C/48	SPEC	256X1Ø24-SLIT		4450	1	8ØØ	1227	Ø		1
NGC4151	12 10 32.6	39 24 21	FDC/48	SPEC	256X1Ø24-SLIT		4450	1	500	1227	Ø		1
NGC4151-FIELD	12 10 33.5	39 25 1	WFC	IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ	1
NGC4151-OFFSET-STARS	12 10 34.2	39 24 59*	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø36	Ø	ACQ	1
-FIELD													
1208+107	12 10 37.7	31 57 5	F0C/288	IMAGE	512X512	F342W		1	3ØØ	1236	2		1
HZ21-CALIB	12 13 56.4	32 56 31	F0C/288	IMAGE	512X512	F342W F8ND		1	600	1270	Ø	CAL	1
HZ21-CALIB	12 13 58.4	32 56 31	F0C/288	IMAGE	512X512	F342W F6ND		1	600	127Ø	2		ī
HZ21-CALIB	12 13 58.4	32 56 31	F0C/288	IMAGE	512X512	F275W F6ND		1	48Ø	1270	2		ī
HZ21-CALIB	12 13 56.4	32 56 31	F0C/288	IMAGE	512X512	F275W F6ND		ī	480	1270	2	CAL	ī
PG1211+143	12 14 17.7	14 3 12	FOS/RD	ACCUM	Ø.5	PRISM	3500	î	220	1026	2	CAL	i
PG1211+143	12 14 17.7	14 3 12	FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	8ØØ	1026	2		_
													1
PG1211+143	12 14 17.7	14 3 12	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	1000	1026	2		1
PG1211+143	12 14 17.7	14 3 12	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	400	1026	2		1
PG1211+143	12 14 17.7	14 3 12	FOS/BL	ACQ/BINA		MIRROR		1	11	1026	2	ACQ	1
UX-CVN	12 14 48.5	36 38 49	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	3Ø	1174	1		1
UX-CVN	12 14 48.5	36 38 49	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	40	1174	1		1
UX-CVN	12 14 48.5	36 38 49	HRS	ACCUM	Ø.25	G14ØL	1555	1	3Ø	1174	1		1
UX-CVN	12 14 48.5	36 38 49	HRS	ACCUM	Ø.25	G14ØL	1555	1	40	1174	1		1
HD1Ø6591	12 15 25.5	57 1 57	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD1Ø6591	12 15 25.5	57 1 57	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD1Ø6591	12 15 25.5	57 1 57	F0C/288	occ	512X1Ø24-FØ.4			1	300	1275	2	1	ī
HD1Ø8591	12 15 25.5	57 1 57	F0C/288	OCC	512X1Ø24-FØ.4			ī	300	1275	2		ī
0N+325	12 17 52.3	30 7 1	HSP/UV2	STAR-SKY		F14ØLP		ī	6Ø	1099	2		10
NGC4258-OFFSET-STARS				IMAGE	ALL	F6Ø6W		1	15		ø	1.00	
	12 18 53.7	47 18 14*	WLC	TWYGE	ALL	LONOM		1	10	1038	Ю	ACQ	1
-FIELD				T111 05	4.4	====		_			_		_
NGC4258	12 18 57.6	47 18 14	PC	IMAGE	ALL	F5Ø2N		1	900	1038	Ø	ACQ	1
NGC4258	12 18 57.6	47 18 14	PC	IMAGE	ALL	F664N		3	3ØØ	1038	Ø	ACQ	1
NGC4258	12 18 57.6	47 18 14	PC	IMAGE	ALL	F547M		1	18Ø	1038	Ø	ACQ	1
NGC4258	12 18 57.6	47 18 14	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1038	2	SEL	1
NGC4258	12 18 57.6	47 18 14	FOS/BL	ACCUM -	Ø.3	G19ØH		1	3ØØ	1038	2	SEL	1
NGC4258	12 18 57.6	47 18 14	FOS/RD	ACCUM	Ø.3	G27ØH		ī	300	1038	2	SEL	ī
	12 18 57.6	47 18 14	FOS/RD	ACCUM	Ø.3	G4ØØH		ī	300	1038	2	SEL	ī
NGC4258	12 18 57.6	47 18 14	FOS/RD	ACCUM	Ø.3	G57ØH		i	300	1038	2	SEL	1
					Ø.3								
NGC4258-CLOUD1	12 18 57.6	47 18 14+		ACCUM		G13ØH		1	600	1038	2	SEL	1
	12 18 57.6	47 18 14*		ACCUM	Ø.3	G19ØH		1	300	1038	2	SEL	1
NGC4258-CLOUD1	12 18 57.6	47 18 14*		ACCUM	Ø.3	G27ØH		1	300	1038	2	SEL	1
NGC4258-CLOUD1	12 18 57.6	47 18 14*		ACCUM	Ø.3	G4ØØH		1	300	1Ø38	2	SEL	1
NGC4258-CL0UD1	12 18 57.6	47 18 14*	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2	SEL	1

Target	RA (2ØØØ)	Inst. Dec(2000) Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		•	otal ines
NGC4258-CLOUD2	12 18 57.6	3 47 18 14* FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø38	2	SEL	1
NGC4258-CLOUD2	12 18 57.6	3 47 18 14* FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1038	2	SEL	1
NGC4258-CLOUD2	12 18 57.6	3 47 18 14* FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø38	2	SEL	1
NGC4258-CLOUD2	12 18 57.6	3 47 18 14+ FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1038	2	SEL	1
NGC4258-CLOUD2	12 18 57.6		ACCUM	Ø.3	G57ØH		1	300	1Ø38	2	SEL	1
NGC4258-CLOUD3	12 18 57.6	3 47 18 14* FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1Ø38	2	SEL	1
NGC4258-CLOUD3	12 18 57.6		ACCUM	Ø.3	G4ØØH		1	300	1Ø38	2	SEL	1
NGC4258-CLOUD3	12 18 57.6		ACCUM	Ø.3	G57ØH		1	300	1038	2	SEL	1
NGC4258-CLOUD3	12 18 57.6	•	ACCUM	Ø.3	G57ØH		1	600	1038	2	SEL	1
NGC4258-CLOUD3	12 18 57.6	3 47 18 14* FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø38	2	CON SEL	. 1
NGC4258-CLOUD3	12 18 57.6	3 47 18 14* FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1Ø38	2	CON SEL	. 1
NGC4258-CLOUD4	12 18 57.6		ACCUM	Ø.3	G57ØH		1	600	1038	2	SEL	1
NGC4258-CLOUD5	12 18 57.6		ACCUM ACCURTMA	Ø.3	G57ØH		1 1	6ØØ 5	1Ø38 1Ø38	2	SEL SEL	1
NGC4258-OFFSET-STAR	12 18 57.6	3 47 18 14* FOS/RD	ACQ/BINA	4.3	MIRROR		1	. 0	1520	2	ACQ SEL	. 1
NGC4258-OFFSET-STAR	12 18 57.6	•	ACQ/BINA		MIRROR		1	Б	1Ø38	2	ACQ CON	1
NGC4258	12 18 57.8		IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
NGC4258	12 18 57.8		IMAGE	512X512	F32ØW		1	300	1228	2		1
NGC4258	12 18 57.8		IMAGE	512X512	F502M		1	600	1228	2	0011	1
NGC4258	12 18 57.8		SPEC	256X1Ø24-SLIT				1200	1228	2	CON	1
NGC4258	12 18 58.1		IMAGE	512X512	F275W		1 1	900 1800	1Ø56 1Ø56	2	CON CEI	1
NGC4258	12 18 58.1 12 18 58.1		IMAGE SPEC	512X512 256X1Ø24-SLIT	F275W	4500		5400	1056	2	CON SEL	
NGC4258 1216+Ø89	12 19 20.3		ACCUM	2.0	G2ØØM	1615	_	1800	1156	2	CON SEL	. <u>1</u>
PG1216+Ø69	12 19 20.3		IMAGE	ALL	F7Ø2W	1015	_	2000	1015	2		1
PG1216+Ø69	12 19 20.3		IMAGE	ALL	F725LP		î	10	1118	2		i
PG1216+Ø69	12 19 20.3		IMAGE	ALL	F725LP		_	1700	1116	2		ī
PG1216+Ø69	12 19 20.3		IMAGE	ALL	F725LP		ī	212	1116	2		ī
PG1216+Ø69	12 19 20.3		ACQ/BINA		MIRROR		ī	11	1025	2	ACQ	1
PG1216+Ø69	12 19 20.3		ACQ/BINA		MIRROR		1	11	1025	2	ACQ	2
PG1216+Ø69	12 19 20.3	6 38 4Ø FOS/RD	ACCUM	1.0	G27ØH	2753	1	600	1Ø25	2	•	1
PG1216+Ø69	12 19 20.3	6 38 40 FOS/BL	ACCUM	1.0	G16ØL	1837	1	120	1025	2		1
PG1216+Ø69	12 19 20.3	•	ACCUM	1.0	G19ØH	198Ø	1	72Ø	1Ø25	2		1
SKY-BG8	12 19 20.3		ACCUM	1.0	G65ØL	6232	1	2000	1Ø15	1	PAR	1
3C27Ø	12 19 23.2		ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON	1
3C27Ø	12 19 23.2		IMAGE	512X512	F37ØLP	4040	1	300	1033	Ø		1
3C27Ø	12 19 23.2		IMAGE	512X512	F32ØW	3251	1	300	1033	Ø		. 1
3C27Ø-OFFSET	12 19 23.2		ACQ/BINA		MIRROR		1	11	1033	2	ACQ COI	
3C27Ø	12 19 23.2		IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C27Ø	12 19 23.2		IMAGE	512X512	F32ØW		1	300	1228	2	CON	1
3C27Ø	12 19 23.2		SPEC	256X1Ø24-SLIT		4959	1	1200	1228	2	CON COL	. 1 . 1
3C27Ø-FIELD	12 19 24.2	2 5 49 54 WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ COI	1 1
NGC4274-NUC	12 19 50.6		IMAGE	ALL	F785LP		1	11	1118	. 3		1
NGC4274-NUC	12 19 50.6	_	IMAGE	ALL	F785LP		1	110	1118	3		1
NGC4274-NUC	12 19 50.6		IMAGE	ALL	F555W		1	15	1118	3		1
NGC4274-NUC	12 19 50.6		IMAGE	ALL	F555W	0707	1	153	1118	3		1
NGC4278	12 20 6.9		IMAGE	256X256	F275W	2720	1	2000	1240	1		1 1
NGC4278	12 20 6.9	29 18 51 FOC/98	IMAGE	256X258	F502M	4950	1	500	1240	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota	
NGC4278	12 20 6.9	29 16 51	F0C/96	IMAGE	256X256	F372M	3710	1 1	LØØØ	1240	2			1
NGC4278	12 20 6.9	29 16 51	F0C/96	IMAGE	256X256	F5Ø2M	495Ø	1 2	2500	1240	2			1
NGC4278	12 20 6.9	29 16 51	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1 1	1800	1240	1			1
NGC4278	12 20 6.9	29 16 51	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1 1	1800	1240	2			1
NGC4278-NUC	12 20 6.9	29 18 51	PC	IMAGE	ALL	F7Ø2W		1	. 6	1118	1			1
NGC4278-NUC	12 20 6.9	29 16 51	PC	IMAGE	ALL ·	F7Ø2W		1	6Ø	1118	1			1
NGC4278-NUC	12 20 6.9	29 16 51	PC	IMAGE	ALL	F555W		.1	49	1118	1			1
NGC4278-NUC	12 20 6.9	29 16 51	PC	IMAGE	ALL	F664N		1	120	1118	1			1
NGC4278-NUC	12 20 6.9	9 29 16 51	PC	IMAGE	ALL	F664N		1 1	1200	1118	1			1
NGC4278-NUC	12 20 6.9	29 16 51	PC ·	IMAGE	ALL	F785LP		1	35	1118	1			1
NGC4278-NUC	12 20 6.9	29 16 51	PC	IMAGE	ALL	F785LP		1	35Ø	1118	1			1
NGC4278-NUC	12 20 8.9	29 16 51	PC ·	IMAGE	ALL	F555W		1	489	1118	1			1
NGC4283-NUC	12 20 20.7	7 29 18 36	PC	IMAGE	ALL	F555W		1	14	1118	2			1
NGC4283-NUC	12 20 20.7	7 29 18 36	PC PC	IMAGE	ALL	F555W		1	140	1118	2			1
NGC4283-NUC	12 20 20.7	29 18 36	PC	IMAGE	ALL	F785LP		1	10	1118	2			1
NGC4283-NUC	12 20 20.7	29 18 36	PC	IMAGE	ALL	F785LP		1	100	1118	2			1
3C27Ø.1	12 20 33.9	33 43 12	F0C/96	IMAGE	512X512	F43ØW			1800	1234	1			1
3C27Ø.1	12 20 33.9		F0C/96	IMAGE	512X512	F342W		2 1	l8øø	1234	2			1
0N+231	12 21 31.7	28 13 58	HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1Ø99	1			1Ø
MKN2Ø5	12 21 44.1		HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1Ø99	1			1Ø
NGC4314	12 22 32.6		WFC	IMAGE	ALL	F336W	3360		3ØØØ	1Ø12	1			1
NGC4314	12 22 32.6		PC	IMAGE	ALL	F555W	5416	1	400	1012	1			1
NGC4314	12 22 32.6		PC	IMAGE	ALL	F664N	6637	1 1	1200	1Ø12	1			1
NGC4314	12 22 32.6		PC	IMAGE	ALL	F785LP	8922	1	400	1012	1			1
NGC4314	12 22 32.9		WFC	IMAGE	ALL	F439W	4352		1000	1Ø12	1			1
NGC4314	12 22 32.6		WFC	IMAGE	ALL	F555W	5416	2	6ØØ	1Ø12	1			1
NGC4314	12 22 32.9		WFC	IMAGE	ALL	F785LP	8922	2	600	1012	1			1
NGC4321-NUCLEUS-0FF2			•	SPEC	256X1Ø24-SLIT			1	600	1241	2			1
NGC4321-NUCLEUS-0FF2			• .	SPEC	256X1Ø24-SLIT				318Ø	1241	2			1
NGC4321-NUCLEUS-0FF2			•	SPEC	256X1Ø24-SLIT				132Ø	1241	2			1
NGC4321-135N-84E	12 23 1.6			IMAGE	ALL	F336W			2300	1119	3			1
NGC4321-135N-84E	12 23 1.6			IMAGE	ALL	F555W			2300	1119	3			12
NGC4321-135N-84E	12 23 1.6			IMAGE	ALL	F785LP			2300	1119	3			6
NGC4321-DW5	12 23 21.3		F0C/48	IMAGE	512X512	F150W			25ØØ	1248	2			1
NGC4321-DW5	12 23 21.3		F0C/48	IMAGE	512X512	F342W			1100	1248	3			1
NGC4321-DW5	12 23 21.3		F0C/48	IMAGE	512X512	F43Ø\			1300	1248	3			1
3C272.1-FIELD	12 25 1.3	3 12 53 13	WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ	CON	1
NGC4374F2	12 25 3.1		F0C/48	IMAGE	512X512	F342W			2700	1016	1	PAR		1
NGC4374F2	12 25 3.1	,	F0C/48	IMAGE	512X512	F43ØW			27ØØ	1016	1	PAR		1
NGC4374	12 25 3.6		F0C/98	IMAGE	512X512	F32ØW		1	600	1Ø57	2			1
NGC4374	12 25 3.6		F0C/96	IMAGE	512X512	F5Ø2M		1	300	1057	2			1
NGC4374	12 25 3.6		F0C/288	IMAGE	512X512	F32ØW		1	600	1Ø57	2	CON		1
NGC4374	12 25 3.6		F0C/48	SPEC	256X1Ø24-SLIT		4500		2000	1Ø57	2	CON		1
NGC4374	12 25 3.6		F0C/48	IMAGE	128X128-ASLIT		3920	1	100	1Ø57	2		CON	1
M84	12 25 3.6		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
M84	12 25 3.6		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		1
NGC4374	12 25 3.7		F0C/48	IMAGE	512X512	F43ØW	4130		1200	1242				1
NGC4374	12 25 3.7		F0C/48	IMAGE	512X512	F342₩	3425		12ØØ	1242				1
3C272.1	12 25 3.8		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033		CON		1
3C272.1	12 25 3.8		F0C/96	IMAGE	512X512	F37ØLP	4040	1	3ØØ	1033	Ø			1
3C272.1	12 25 3.8	3 12 53 13	F0C/96	IMAGE	512X512	F32ØW	3251	1	300	1Ø33	Ø			1.

Target	RA (2000) Dec (2000		perating Mode	Aperture	Spectral Element	Central Wave.	No. Ex Exp. Ti		Cy.	Spec. Req.	Tot Lin	
3C272.1-0FFSET	12 25 3.8 12 53 1	3* FOS/RD	ACQ/BINA	4.3	MIRROR		1 1	1 1033	2	ACQ	CON	1
NGC4374F1	12 25 4.9 12 56 1		IMAGE	ALL	F555W		1 270					ī
NGC4374F1	12 25 4.9 12 58 1	5 WFC	IMAGE	ALL	F785LP		1 27Ø	0 1016	1			1
PG1222+228	12 25 27.4 22 35 1		IMAGE	ANY	F128LP		1 120	<b>3 1</b> Ø28	1			1
PG1222+228	12 25 27.4 22 35 1	3 FOS/BL	ACCUM	Ø.5	G16ØL	1650	1 100	<b>7 1028</b>	1			1
PG1222+228	12 25 27.4 22 35 1	3 FOS/BL	ACCUM	Ø.5	G13ØH	1300	1 300	<b>0</b> 1028	2	CON		1
PG1222+228	12 25 27.4 22 35 1	3 FOS/RD	ACCUM	Ø.5	G19ØH	1900	1 200	7 1028	2	CON		1
PG1222+228	12 25 27.4 22 35 1	3 FOS/RD	ACCUM	Ø.5	G27ØH	2700	1 450					1
PG1222+228	12 25 27.4 22 35 1	3 FOS/BL	ACQ/BINA	4.3	MIRROR	* •	1 1	l 1Ø28	1	ACQ		1
PG1222+228	12 25 27.4 22 35 1	3 FOS/RD	ACQ/BINA	4.3	MIRROR		1 1			ACQ		1
PG1222+228	12 25 27.4 22 35 1		ACQ/BINA	4.3	MIRROR		1 1			ACQ		1
PG1222+228	12 25 27.4 22 35 1	3 FOS/RD	ACQ/BINA		MIRROR		1 1			ACQ	CON	1
1222+228	12 25 27.4 22 35 1		IMAGE	512X512	F342W		1 30		_			1
PK\$1223+252	12 25 39.5 24 58 3		ACQ/BINA		MIRROR		1 1			ACQ		1
PKS1223+252	12 25 39.5 24 58 3		ACCUM	1.0	G27ØH	2766	1 60		_			1
PKS1223+252	12 25 39.5 24 58 3		ACCUM	1.0	G13ØH	1379	1 180		_			1
PKS1223+252	12 25 39.5 24 58 3		ACCUM	1.0	G19ØH	1944	1 120		_			1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	F336W		1 6		3	ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	F569W			1187		ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	F664N		1 6			ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	G45ØL		1 6		3	ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	F23ØW		1 2		-	ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE	ALL	F23ØW F336W		1 24 1 1		3	ACQ		1
MK52	12 25 42.8 Ø 34 2		IMAGE .	ALL ALL	F439W		1 1		3	ACQ		1
MK52 MK52	12 25 42.8 Ø 34 2		IMAGE IMAGE	ALL	F675W			1187 1187		ACQ ACQ		1 1
MK52	12 25 42.8 Ø 34 2 12 25 42.8 Ø 34 2		ACCUM	2.0	G14ØL	1300	1 18ø			ACQ		1
MK52	12 25 42.8 Ø 34 2 12 25 42.8 Ø 34 2		ACCUM	2.0	G140L	155Ø	1 150		3			1
MK52	12 25 42.8 Ø 34 2		ACCUM	2.0	G14ØL	1800	1 210					1
MK52	12 25 42.8 Ø 34 2		ACCUM	2.0	G27ØM	2600	1 101					1
VCC833		6 FOC/96	IMAGE	512X512	F342W	2000	1 30		2			ī
VCC833		6 FOC/288	IMAGE	512X512	F22ØW		1 60					ī
DW13D5Ø	12 26 6.3 12 51 3		IMAGE	512X512	F342W		1 60					ī
DW13D5Ø	12 26 6.3 12 51 3		IMAGE	512X512	F22ØW		1 120		2			ī
NGC44Ø6	12 26 11.8 12 56 4		IMAGE	512X512	F32ØW		1 60			CON		ī
NGC44Ø6	12 26 11.8 12 56 4	•	IMAGE	512X512	FIND F320W		1 60		ø			ī
NGC44Ø8	12 26 11.8 12 56 4		IMAGE	512X512	F1ND F5Ø2M		1 30	Ø 1Ø57	Ø			1
NGC44Ø8	12 26 11.8 12 56 4		SPEC	256X1Ø24-SLIT	G45ØM	4500	1 720	Ø 1Ø57	1	CON		1
NGC44Ø6	12 26 11.8 12 56 4	9 FOC/48	IMAGE	128X128-ASLIT	F43ØW	392Ø	1 10	<b>0</b> 1057	1	ACQ	CON	1
IZW36	12 26 16.0 48 29 3	8 WFC	IMAGE	ALL	F85ØLP		1 120	<b>3</b> 1246	1	-		1
IZW36	12 26 16.0 48 29 3	8 FOC/96	IMAGE	512X512	F342W		1 60	<b>7 1246</b>	1			1
IZW36	12 26 16.0 48 29 3	8 FOC/96	IMAGE	512X512	F165W		1 210	<b>0</b> 1246	1			1
IZW36	12 26 16.0 48 29 3	8 FOC/98	IMAGE	512X512	F437M		1 130	<b>3</b> 1246	1			1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1530	1 4		_			1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-B	237Ø	1 1		_			1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1303	1 1					1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1356	1 4		-			1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1558	1 4					1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1240	1 2					1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1252	1 2					1
HD1Ø8248	12 26 36.1 -63 5 5		WSCAN	Ø.25	ECH-A	1334	1 2					1
HD1Ø8248	12 26 38.1 -63 5 5	6 HRS	WSCAN	Ø.25	ECH-A	1392	1 5	2 1071	2			1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
HD1Ø8248	12 26 36.1	-63 5 56	HRS	WSCAN	Ø.25	ECH-A	1191	1	14	1071	2			1
HD1Ø8248	12 26 36.1	-63 5 56	HRS	WSCAN	Ø.25	ECH-A	1547	1	55	1071	2			1
HD1Ø8248	12 26 36.1		HRS	WSCAN	Ø.25	ECH-B	1826	1	24	1071	2			1
HD1Ø8248	12 26 36.1	-63 5 56	HRS	WSCAN	Ø.25	ECH-B	2024	1	14	1071	2			1
HD1Ø8248	12 26 36.1	-63 5 56	HRS	WSCAN	Ø.25	ECH-B	2602	1	19	1071	2			1
HD1Ø8248	12 26 36.1	-63 5 56	HRS	WSCAN	Ø.25	ECH-B	1805	1	21	1071	2			1
NGC4449-SNR	12 28 10.9	44 6 48	WEC	IMAGE	ALL	F5Ø2N		1	400	1048	1	ACQ		1
NGC4449-SNR	12 28 10.9	44 6 48	WFC	IMAGE	ALL	F517N		1	150	1048	1	ACQ		1
NGC4449-SNRP1	12 28 10.9	44 6 48*	FOS/BL	ACCUM	Ø.3	G13ØH		1	1200	1048	1			1
NGC4449-SNRP1	12 28 10.9	44 6 48*	FOS/BL	ACCUM	Ø.3	G19ØH		1	75Ø	1048	1			1
NGC4449-SNRP1	12 28 10.9	44 6 48*	FOS/RD	ACCUM	Ø.3	G27ØH		1	45Ø	1048	1			1
NGC4449-SNRP1	12 28 10.9		FOS/RD	ACCUM	Ø.3	G4ØØH		1	45Ø	1048	1			1
NGC4449-SNRP1	12 28 10.9		FOS/RD	ACCUM	Ø.3	G57ØH		1	450	1048	1			1
STAR4-OFFSET	12 28 10.9		FOS/BL	ACQ/BINA		MIRROR		1	11	1048	1	ACQ		1
HD1Ø8561-CALIB	12 28 18.5	4 23 48	F0C/288	IMAGE	512X512	F21ØM F6ND	2140	1	300	1227	Ø	CAL		1
HD1Ø8561-CALIB	12 28 18.5	4 23 48	F0C/288	IMAGE	256X256	F21ØM F6ND	2140	1	300	1227	2	CAL		1
1225+317	12 28 24.9	31 28 37	F0C/288	IMAGE	512X512	F342W		1	300	1236	2			1
B21225+317	12 28 24.9		WFC	IMAGE	ANY	F128LP	0744	1	1200	1028	2			1
B21225+317	12 28 24.9	31 28 37	FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	3000	1028	2	400		1
B21225+317	12 28 24.9	31 28 37	FOS/RD PC	ACQ/BINA		MIRROR	•	1 1	11 2125	1028 1032	2	ACQ ACQ		1
B2-1225+317	12 28 25.0	31 28 37 31 28 37	PC	IMAGE	ALL	F128LP		1	2125	1032	2	ACQ		1
B2-1225+317 B2-1225+317	12 28 25.Ø 12 28 25.Ø	31 28 37	FOS/RD	IMAGE ACCUM	ALL Ø.5	F85ØLP G65ØL		1	84Ø	1032	2	CON	CE1	1
B2-1225+317 B2-1225+317	12 28 25.Ø	31 28 37	FOS/RD	ACCUM	Ø.5	PRISM		1	84Ø	1032	2	CON		ī
B2-1225+317	12 28 25.Ø		FOS/RD	ACQ/BINA		MIRROR		î	6	1032	2	ACQ		ī
B2-1225+317	12 28 25.Ø	31 28 37	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		ī	7659	1032	2			ī
B2-1225+317	12 28 25.0	31 28 37	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		ī	7659	1032	2	CON		ī
B2-1225+317	12 28 25.0		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	3Ø	1032	2	ACQ		1
SKY9	12 28 25.Ø	31 28 37*		ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	2125	1032	2	PAR		2
1226+105	12 28 36.9	10 18 43	F0C/288	IMAGE	512X512	F342W		1	300	1236	2			1
3C273A	12 29 5.8	2 2 54	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C273A	12 29 5.8	2 2 54	FOC/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON		1
3C273-KNOT-A	12 29 5.8	2 2 53*	FOS/RD	ACCUM	Ø.5	PRISM		1	8ØØ	1031	1			1
3C273-KNOT-A	12 29 5.8	2 2 53*		ACCUM	Ø.5	G16ØL		1	3200	1031	1			1
3C273	12 29 6.7	2 3 8	WFC	IMAGE	ALL	F555W		1	2	1118	1			1
3C273	12 29 6.7	2 3 8	WFC	IMAGE	ALL	F675W		1	200	1116	1			1
3C273	12 29 6.7	2 3 8	WFC	IMAGE	ALL	F675W		1	1500	1116	1			1
3C273	12 29 6.7	2 3 8	WFC	IMAGE	ALL	F725LP		1	1	1116	1			1
PG1226+Ø23	12 29 6.7	2 3 8	WFC	IMAGE	ALL	F7Ø2W		1	1000	1015	1			2
SKY-BG7	12 29 6.7	2 3 8*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	2000	1015	1	PAR		1
3C273	12 29 6.7	2 3 8	HSP/UV2	SINGLE	1.0	F14ØLP		1	60	1099	1		,	1Ø
3C273	12 29 6.7	2 3 8 2 3 8	HSP/POL HSP/POL	SINGLE SINGLE	POLØ POLØ	F216M		1	6Ø 6Ø	1099	1			4
3C273	12 29 6.7 12 29 6.7	2 3 8		SINGLE		F237M		1	6Ø	1099	1		•	11
3C273	12 29 6.7	2 3 8	HSP/POL HSP/POL	SINGLE	POLØ POLØ	F277M				1099				3
30273		2 3 8	HSP/UV2	PEAKUP	10.0	F327M		1	6Ø	1Ø99 1Ø99	1	ACQ	•	1Ø
3C273 3C273	12 29 6.7 12 29 6.7	2 3 8	HSP/POL	SINGLE	P0L45	F14ØLP F216M		1 1	6Ø 6Ø	1099		ved	•	4
3C273	12 29 6.7	2 3 8	HSP/POL	SINGLE	POL45	F237M		1	6Ø	1099				2
3C273	12 29 6.7	2 3 8	HSP/POL	SINGLE	POL45	F277M		1	6Ø	1099			1	11
3C273	12 29 6.7	2 3 8	HSP/POL	SINGLE	POL45	F327M		1	6Ø	1099			•	3
3C273	12 29 6.7	2 3 8	HSP/POL	SINGLE	POL9Ø	F216M		i	6Ø	1099				4
3C273	12 29 6.7	2 3 8	HSP/POL	SINGLE	POL9Ø	F237M		i	6Ø	1099				2
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Trace Tangetts												P. P.	
Target	RA (2000)		inst. O Config.	perating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
3C273	12 29 6.	7 2 3 8 H	ISP/POL	SINGLE	P0L9Ø	F277M		1	6Ø	1Ø99	1		11
3C273	12 29 6.		ISP/POL	SINGLE	POL9Ø	F327M		1	6Ø	1099	1		3
3C273	12 29 6.	7 2 3 8 H	ISP/POL	SINGLE	P0L135	F216M		1	6Ø	1099	1		4
3C273	12 29 6.	7 2 3 8 H	ISP/POL	SINGLE	P0L135	F237M		1	6Ø	1099	1		2
3C273	12 29 6.	7 2 3 8 H	ISP/POL	SINGLE	P0L135	F277M		1	6Ø	1099	1		11
3C273	12 29 6.		ISP/POL	SINGLE	P0L135	F327M		1	6Ø	1Ø99	1		3
1226+023	12 29 6.		C	IMAGE	P8	F6Ø6W		1	Ø	1139	2		1
1226+023	12 29 6.		-	IMAGE	P8	F658N		1	40	1139	2		1
1226+Ø23	12 29 6.		C	IMAGE	P8	F725LP		1	1	1139	2	ACQ	1
1226+023	12 29 6.			IMAGE	ALL-ND	F6Ø6W		1	400	1139	2		1
1226+Ø23	12 29 6.		C	IMAGE	ALL-ND	F725LP		1	100	1139	2		1
1226+Ø23INCA221-83	12 29 6.		GS	POS	2	F55ØW		1	51	157Ø	1		3
1226+Ø23INCA221-83	12 29 6.		GS	POS	2	F55ØW		1	51	157Ø	2		3
PG1226+Ø23	12 29 6.		OS/RD	ACQ/BINA		MIRROR		1	Ø	1018	1	ACQ	1
PG1226+Ø23	12 29 6.		OS/RD	ACQ/BINA		MIRROR		1	11	1018	2	ACQ	2
PG1226+Ø23	12 29 6.		0\$/BL	ACCUM	1.0	G13ØH	1379		1000	1018	Ø		1
PG1226+Ø23	12 29 6.		OS/RD	ACCUM	1.0	G19ØH	1980	1	600	1018	1		1
PG1226+Ø23	12 29 6.		OS/RD	ACCUM	1.0	G27ØH	2753	1	600	1018	1		1
PG1226+Ø23	12 29 6.		OS/RD	ACCUM	1.0	G65ØL	6232	1	60	1018	2		1
PG1226+Ø23	12 29 6.		OS/RD	ACCUM	1.0	G4ØØH	4013	1	240	1018	2		1
PG1226+Ø23	12 29 6.		OS/BL	ACQ/BINA		MIRROR		1	Ø	1018	Ø	ACQ	1
3C273B	12 29 6.		OC/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C273B	12 29 6.		OC/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON	1
3C273	12 29 6.		/FC /FC	IMAGE	ALL ALL	F194W			1200	1031	Ø	ACQ	1
3C273	12 29 6.		/FC /FC	IMAGE IMAGE	ALL	F23ØW G8ØØL			1200 1200	1031	Ø	ACQ	1
3C273	12 29 6.1 12 29 6.1		OS/RD	ACCUM	Ø.5	G65ØL		1	1200	1031 1031	Ø	ACQ	1 1
3C273	12 29 6.		OS/BL	ACQ/BINA		MIRROR		1		1029	1 Ø	ACQ	
3C273 3C273	12 29 6.		OS/BL	ACCUM	Ø.5	G16ØL	1725	_	1 144Ø	1029	ø	ACQ	1 2
3C273	12 29 6.		05/BL	ACCUM	Ø.5	PRISM	3675		1440	1029	ø		1
3C273	12 29 6.		05/BL	ACCUM	Ø.5	G13ØH	1379		1000	1029	ø		i
3C273	12 29 6.		OS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	10.0		586Ø	1023	1		i
3C273	12 29 6.		OS/RD		Ø.7X2.Ø-BAR	MIRROR		i	Ø	1031	i	ACQ	i
3C273	12 29 6.		OS/RD	ACQ/BINA		MIRROR		î	ø	1031	ī	ACQ	ī
3C273-CLOUD-A	12 29 6.		OS/BL	ACCUM	Ø.5	G16ØL		1	6ØØ	1031	2	neq	ī
3C273-CLOUD-A	12 29 6.		OS/RD	ACCUM	Ø.5	G85ØL		ī	600	1031	2		ī
3C273-CL0UD-B	12 29 6.		OS/BL	ACCUM	Ø.5	G18ØL		ī	600	1031	2		ī
3C273-CL0UD-B	12 29 6.		OS/RD	ACCUM	Ø.5	G65ØL		1	600	1031	2		ī
3C273	12 29 6.		OC/96	IMAGE	512X512	F21ØM	2140	1	500	1227	ø		ĩ
3C273	12 29 6.		OC/288	IMAGE	512X512	F17ØM	1760	ī	800	1227	ø		ī
3C273	12 29 6.		OC/288	IMAGE	512X512	F346M	348Ø	ī	300	1227	ø		ĩ
3C273	12 29 6.		OC/288	IMAGE	512X512	F41ØM	4100	ī	3ØØ	1227	Ø		ī
3C273	12 29 6.		OC/288	IMAGE	256X256	F21ØM	2140	ī	400	1227	2		ī
3C273	12 29 6.		OC/288	IMAGE	512X512	F140M	1390	ī	650	1227	ø		ī
3C273	12 29 6.	· _	OC/48	SPEC	256X1Ø24-SLIT			ī	800	1227	ø		<b>1</b>
3C273	12 29 6.		OC/96	IMAGE	512X512	F21ØM F6ND	2140	1	300	1227	ø		1
3C273	12 29 6.		OC/288	IMAGE	256X256	F21ØM F2ND	2140	1	800	1227	Ø		1
3C273	12 29 6.		OC/288	IMAGE	256X256	F21ØM F4ND	2140	ī	800	1227	ø		$\bar{1}$
3C273	12 29 6.		OC/288	IMAGE	256X256	F210M F2ND	2140	ī	800	1227	2		1
OFFSET-PG1226+Ø23	12 29 6.		OS/RD	ACQ/BINA		MIRROR		1	11	1018	2	ACQ	ī
OFFSET-PG1226+Ø23	12 29 6.		OS/RD	ACCUM	1.0	G65ØL	6232	1	25øø	1018	2		1
3C273.Ø	12 29 6.1		IRS	ACCUM	2.0	G16ØM	1540	1	900	1140	Ø		1

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Tongot	D.	(209	301	D	100	aa\	Inst.	Operating	Anantuna	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec.	Tota	
Target	NA	(201	(00)	Dec	(28)	<i>ן</i> שט	Config.	Mode	Aperture	Fieldelic	наче.	LAP		10	cy.	Req.	Line	33
3C273.Ø	12	29	6.8	2	3	8	HRS	ACCUM	2.0	G27ØM	2800	1	600	1140	Ø			1
3C273.Ø		29	6.8	2	_	- 8	HRS	ACCUM	2.0	G27ØM	2700	ī	1080	1140	ĩ			î
3C273.Ø		29	6.8	2		8	HRS	ACCUM	2.0	G27ØM	2595	ī	600	1140	ø			i
3C273.Ø		29	6.8	2		8	HRS	ACCUM	2.0	G16ØM	1315	ī	1200	1140	ø			i
3C273.0		29	6.8	2		8	HRS	ACCUM	2.0	G16ØM	1375	ī	1080	1140	1			4
3C273.0		29	6.8	2		8	HRS	ACCUM	2.0	G14ØL	1322	ī	600	1140	ø			ĭ
3C273.Ø		29	8.8	2		8	HRS	ACCUM	2.0	G2ØØM	1794	i	600	1140	ø			i
3C273.Ø		29	6.8	2	3	8	HRS		2.0	G16ØM	1408	ī	1200	1140	ø			1
3C273.Ø		29	6.8	2		8		ACCUM	2.0	G16ØM	1253	ī	1800	1140	ø			
				2		-	HRS	ACCUM		G16ØM	1284	i	1200	1140	ø			1
3C273.Ø 3C273.Ø		29	6.8	2	3	8	HRS	ACCUM	2.0	G16ØM	1346	1	1200	1140	ø			1
		29	6.8			8	HRS	ACCUM	2.0				1200		-			1
3C273.Ø		29	6.8	2		8	HRS	ACCUM	2.0	G16ØM F22ØW F8ND	1377 2200	1 1	300	1140	Ø	C 4.1		1
HD108714-CALIB			20.5		19		F0C/288	IMAGE	512X512	F55ØW	2200	_	51	1228	Ø	CAL		1
INCA221-83			22.2		58	**	FGS	POS	2			1 1	51 51	157Ø	1			2
INCA221-83			22.2		58		FGS	POS	2	F55ØW		1		1570	2	040		2
NGC4472F2			37.1		57		F0C/48	IMAGE	512X512	F342W		1	2700	1016	1	PAR		1
NGC4472F2			37.1		57		F0C/48	IMAGE	512X512	F43ØW			2700	1016	1	PAR		1
NGC4472			46.5		59		F0C/96	IMAGE	512X512	F32ØW		1	600	1057	2			1
NGC4472			46.5		59		F0C/96	IMAGE	512X512	F5Ø2M		1	300	1057	2	CO11		1
NGC4472			46.5		59		F0C/288	IMAGE	512X512	F32ØW	4500	1	600	1057	2	CON		1
NGC4472			46.5		59		F0C/48	SPEC	256X1Ø24-SLIT		4500		12000	1057	2	CON		1
NGC4472			46.5		59		F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ	CUN	1
NGC4472-NUC			46.7	8	Ø	2	PC	IMAGE	ALL	F555W		1	112	1118	1			1
NGC4472-NUC			46.7	8	Ø	2	PC	IMAGE	ALL .	F555W		1	1120	1118	1			1
NGC4472-NUC			46.7	8	Ø	2	PC	IMAGE	ALL	F785LP		1	8Ø	1118	1			1
NGC4472-NUC			46.7	8	Ø	2	PC.	IMAGE	ALL	F785LP		1	800	1118	1			1
NGC4472			46.8	8	Ø	2	PC	IMAGE	ALL	F23ØW		1	1000	1041	Ø	ACQ		1
NGC4472			46.8	8	Ø	2	PC	IMAGE	ALL.	F547M		1	200	1041	Ø	ACQ		1
NGC4472			46.8	8	Ø	2	PC	IMAGE	ALL	F664N		1	1000	1041	Ø	ACQ		1
NGC4472			46.8	8	Ø	2	FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	2	CON		1
NGC4472			46.8	8	Ø	2	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON		1
NGC4472			46.8	8	Ø	2	FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON		1
NGC4472			46.8	8	Ø	2	FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	2	CON	SEL	1
NGC4472			46.8	. 8	Ø	2	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	7300	1040	2			1
NGC4472-0FF			46.8	8	Ø		FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	2	CON		1
NGC4472-0FF			46.8	8	Ø		FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	2	CON		1
NGC4472-OFF			46.8	8	Ø		FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	2	CON		1
NGC4472-0FF			46.8	8	Ø		FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	2	CON	SEL	1
NGC4472-OFFSET-STAR			46.8	8	Ø		FOS/RD	ACQ/BINA		MIRROR		1	5	1040	2	ACQ		1
NGC4472-OFFSET-STAR			46.8	8	Ø		FOS/BL	ACQ/BINA		MIRROR		1	5	1041	2	ACQ	CON	1
NGC4472-P0S1			46.8	- 8	Ø		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	7300	1040	2	CON		1
NGC4472-P0S2			46.8	8	Ø		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	1900	1040	2			1
NGC4472-OFFSET-STARS	12	29	48.5	8	Ø	48*	WFC	IMAGE	ALL	F6Ø6W		1	15	1040	Ø	ACQ		1
-FIELD																		
POINT1226+023INCA221	12	29	5Ø.5	2	7	41	S/C	POINTING	V1			1	Ø	157Ø	1			1
-83																		
P0INT1226+Ø23INCA221	12	29	50.5	2	7	41	S/C	POINTING	V1			1	Ø	157Ø	2			1
-83																		
NGC4472F1			55.5	8		21	WFC	IMAGE	ALL	F555W		1	2700	1Ø16	1			1
NGC4472F1	12	29	55.5	8	2	21	WFC	IMAGE	ALL	F785LP		1	2700	1Ø16	1			1
NGC4478	12	29	59.Ø	12	2Ø	56	WFC	IMAGE	ALL	F555\		1	3Ø	11Ø5	3			1
NGC4478	12	29	59.Ø	12	2Ø	56	WFC	IMAGE	ALL	F7Ø2W		1	3Ø	1105	3			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centra! Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
NGC4478	12 29 59.0	12 2Ø 56	WFC	IMAGE	ALL	F555W		1	23Ø	11Ø5	3		. 1
NGC4478	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F555W		1	1400	11Ø5	3		1
NGC4478	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F7Ø2W		1	23Ø	11Ø5	3		1
NGC4478	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F7Ø2W		1	1400	11Ø5	3		1
NGC4478	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F785LP		1	3Ø	11Ø5	3		1
NGC4478	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F785LP		1	23Ø	11Ø5	3		1
NGC4476	12 29 59.0	12 20 56	WFC	IMAGE	ALL	F785LP		1	1400	11Ø5	3		1
M87AA	12 30 47.9	12 23 33	F0C/96	IMAGE	512X512	F22ØW		1	1200	1228	Ø		1
M87AA	12 30 47.9		F0C/96	IMAGE	512X512	F5Ø2M		1	1200	1228	Ø		1
M87AA	12 30 47.9		F0C/98	IMAGE	512X512	F32ØW POLØ		1	2700	1228	2		1
M87AA	12 30 47.9	12 23 33	F0C/96	IMAGE	512X512	F32ØW POL6Ø		1	2700	1228	2		1
M87AA	12 30 47.9		F0C/96	IMAGE	512X512	F32ØW P0L12Ø		1	2700	1228	2		1
OFFM87AA	12 30 47.9			IMAGE	ALL	F128LP		1	2400	1228	Ø	PAR	1
M87-OFFSET-STARS-FIE	12 30 48.4	12 22 38*	WFC	IMAGE	ALL	F6Ø6W		1	15	1Ø34	Ø	ACQ	1
NGC4486-FIELD	12 30 48.5	12 22 43	WFC	IMAGE	ALL	F439W	4353	1	15	1029	1	ACQ	1
M87-JET-KNOT-B	12 30 48.5		FOS/BL	ACCUM	1.0	G16ØL		1	1300	1Ø34	1	SEL	1
M87-JET-KNOT-B	12 30 48.5			ACCUM	1.0	PRISM		1	1200	1034	1	CON S	
M87A	12 30 48.6	12 23 33	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
M87A	12 30 48.6	12 23 33	F0C/288	IMAGE	512X512	F22ØW		1	2100	1228	Ø		1
M87A	12 30 48.6	12 23 33	F0C/288	IMAGE	512X512	F14ØW		2	2400	1228	Ø		1
M87A	12 30 48.6	12 23 33	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
OFFM87A	12 30 48.6	12 23 33*		IMAGE	ALL	F128LP		2	2400	1228	1	PAR	1
M87-JET-KNOT-A	12 30 48.6	12 23 32*		ACCUM	1.0	G13ØH		1	1200	1034	1		1
M87-JET-KNOT-A	12 30 48.6	12 23 32*		ACCUM	1.0	G19ØH		1	1200	1034 1034	1 2	CON	1
M87-JET-KNOT-A	12 30 48.6	12 23 32* 12 23 32	HSP/POL	ACCUM SINGLE	1.Ø POLØ	G13ØH F277M		1 1	3100 60	1034	1	CON	1 2Ø
M87-JET	12 3Ø 48.6 12 3Ø 48.6	12 23 32	HSP/POL	SINGLE	POL45	F277M		1	6Ø	1099	1		20
M87-JET M87-JET	12 30 48.6	12 23 32	HSP/POL	SINGLE	POL9Ø	F277M		1	6Ø	1099	i		20
M87-JET	12 30 48.6	12 23 32	HSP/POL	SINGLE	P0L135	F277M		i	6Ø	1099	î		20
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F439W		î	3Ø	1105	i		1
NGC4488	12 30 48.9		PČ	IMAGE	ALL	F555W		î	1000	1105	ī		î
NGC4488	12 30 48.9		PČ	IMAGE	ALL	F23ØW		ī	100	1105	2		ī
NGC4486	12 30 48.9	12 23 31	PČ	IMAGE	ALL	F336W		ī	100	1105	2		ī
NGC4486	12 30 48.9		PC	IMAGE	ALL	F675W		ī	20	1105	3		1
NGC4486	12 3Ø 48.9	12 23 31	PC	IMAGE	ALL	F675W		1	200	1105	3		ī
NGC4486	12 3Ø 48.9	12 23 31	PC	IMAGE	ALL	F194W		1	1800	11Ø5	1		1
NGC4486	12 30 48.9		PC	IMAGE	ALL	F284W		ī	1800	11Ø5	1		1
NGC4486	12 3Ø 48.9	12 23 31	PC	IMAGE	ALL	F439W		1	1400	11Ø5	1		1
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F555W		1	15	11Ø5	1		1
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F23ØW		1	1800	11Ø5	2		1
NGC4486	12 3Ø 48.9	12 23 31	PC ·	IMAGE	ALL	F336W		1	1800	11Ø5	2		1
NGC4488	12 30 48.9	12 23 31	PC	IMAGE	ALL	F785LP		1	3Ø	11Ø5	1		1
NGC4488	12 30 48.9	12 23 31	PC	IMAGE	ALL	F785LP		1	8ØØ	11Ø5	1		1
NGC4488	12 30 48.9	12 23 31	PC	IMAGE	ALL	F85ØLP		1	120	11Ø5	3		1
NGC4488	12 30 48.9		PC .	IMAGE	ALL	F85ØLP		1	1200	11Ø5	3		1
NGC4488	12 30 48.9	12 23 31	PC	IMAGE	ALL	F6Ø6W POLØ		1	6Ø	11Ø5	2		1
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F6Ø6W POLØ	•	1	600	11Ø5	2		1
NGC4486	12 30 48.9		PC	IMAGE	ALL	F6Ø6W POL6Ø		1	6Ø	11Ø5	2		1
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F606W POL60		1	600	11Ø5	2		1
NGC4486	12 30 48.9		PC	IMAGE	ALL	F606W P0L120		1	6Ø	11Ø5	2		1
NGC4486	12 30 48.9	12 23 31	PC	IMAGE	ALL	F6Ø6W POL12Ø		1	600	11Ø5	2		1

Fixed Targets	F	ixe	be	Ta	rg	е	t	5
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			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
M87-JET-KNOT-D	12 30 49.2	12 23 29*	F0S/BL	ACCUM	ø.5	G16ØL		1	1300	1034	1	SEL	1
M87-JET-KNOT-D	12 30 49.2			ACCUM	Ø.5	PRISM		1	1200	1034	1	SEL	1
NGC4486	12 30 49.4	12 23 24	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1 1	2000	1057	2	CON	1
NGC4486	12 30 49.4	12 23 24	F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ	CON 1
NGC4486-P0S4	12 30 49.4	12 23 29*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH			3645	1040	1		1
NGC4486-P0S3	12 30 49.4		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH			265Ø	1040	1	CON	1
NGC4486-P0S2	12 30 49.4	12 23 28*		ACCUM	Ø.25-PAIR	G57ØH			997Ø	1040	1		1
NGC4486-P0S1	12 30 49.4		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH			834Ø	1040	1	CON	1
M87	12 30 49.4		PC	IMAGE	ALL	F194W			3000	1034	Ø	ACQ	1
M87	12 30 49.4	12 23 28	PC	IMAGE	ALL	F664N		2	500	1034	Ø	ACQ	1
M87	12 30 49.4		PC	IMAGE	ALL	F336W		1	150	1034	Ø	ACQ	1
M87	12 30 49.4		PC	IMAGE IMAGE	ALL ALL	F375N F547M		1 2	75Ø	1034	Ø	ACQ	1
M87	12 30 49.4		PC FOS/BL	ACCUM	Ø.3	G13ØH		1	15Ø 6ØØ	1034 1034	Ø	ACQ	1 1
M87	12 30 49.4	12 23 28	FOS/RD	ACCUM	Ø.3	G27ØH		1	600	1034	1		1
M87	12 30 49.4		FOS/RD	ACCUM	Ø.3	G4ØØH		1	600	1034	1		i
M87 M87	12 30 49.4 12 30 49.4		FOS/BL	ACCUM	Ø.3	G19ØH		ī	6ØØ	1034	i	ACQ	î
M87	12 30 49.4		FOS/BL	ACCUM	Ø.3	G13ØH			3100	1034	i	AC U	i
M87-CLOUD-A	12 30 49.4	12 23 28*		ACCUM	Ø.3	G13ØH		ī	6ØØ	1034	ī		ī
M87-CLOUD-A	12 30 49.4	12 23 28*		ACCUM	Ø.3	G19ØH		ī	600	1034	ī		ī
M87-CLOUD-A	12 30 49.4			ACCUM	Ø.3	G27ØH		ī	600	1034	ī		ī
M87-CLOUD-A	12 30 49.4			ACCUM	Ø.3	G4ØØH		ī	600	1034	ī		ī
M87-CLOUD-A	12 30 49.4			ACCUM	Ø.3	G57ØH		ī	600	1034	1		ī
M87-CLOUD-B	12 30 49.4	12 23 28*		ACCUM	Ø.3	G57ØH		1	600	1034	2		1
M87-CLOUD-C	12 30 49.4			ACCUM	Ø.3	G57ØH		1	600	1034	2		1
M87-CLOUD-D	12 30 49.4			ACCUM.	Ø.3	G57ØH		1	600	1034	2		1
M87-OFFSET-STAR	12 30 49.4	12 23 28*	FOS/RD	ACQ/BINA	4.3	MIRROR	<i>*</i>	1	5	1040	1	ACQ	1
M87-OFFSET-STAR	12 30 49.4	12 23 28*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	84	1034	1	ACQ	1
M87-OFFSET-STAR	12 30 49.4			ACQ/BINA		MIRROR		1	22	1034	1	ACQ	1
NGC4486	12 30 49.4		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH			726Ø	1040	1		1
M87N	12 30 49.4	12 23 28	F0C/96	IMAGE	512X512	F5Ø1N		2	900	1228	Ø		1
M87N	12 30 49.4	12 23 28	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
M87N	12 30 49.4		F0C/288	IMAGE	512X512	F22ØW			2400	1228	Ø		1
M87N	12 30 49.4	12 23 28	F0C/288	IMAGE	512X512	F14ØW			2400	1228	Ø		1
M87N	12 30 49.4		F0C/98	0CC	512X512-FØ.4	F43ØW	0704	2	600	1228	Ø		1
M87N	12 30 49.4	12 23 28	F0C/96	IMAGE	512X512	F275W	2720	1	400	1228			1
M87N	12 30 49.4	12 23 28	F0C/96	IMAGE SPEC	512X512 256X1Ø24-SLIT	F43ØW	4Ø8Ø	1	600	1228			1
M87N	12 30 49.4		F0C/48 F0C/48	SPEC	256X1024-3L17 256X1024-SLIT		445Ø		1000 3000	1228			1 1
M87N	12 30 49.4	12 23 28	F0C/48	SPEC	256X1024-3L11 256X1024-SLIT		4400		1200	1228 1228		CON	1
M87N	12 30 49.4	12 23 28		IMAGE	ALL	F864N		_	3600	1228	_	PAR	1
OFFM87N	12 30 49.4	12 23 28*		IMAGE	ALL	F664N		_	2700	1228		PAR	1
OFFM87N M87-NUC	12 30 49.4 12 30 49.4		HSP/POL	SINGLE	POLØ	F216M		1	8Ø	1099		FAR	i
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	POLØ	F237M		i	6Ø	1099			î
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POLØ	F277M		1	6ø	1099			1ø
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POLØ	F327M		i	6Ø	1099			1
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	POL45	F216M		i	6Ø	1099			i
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POL45	F237M		1	60	1099			ī
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POL45	F277M		i	6Ø	1099	_		10
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	POL45	F327M		î	6Ø	1099			ĩ
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POL9Ø	F216M		ī	6Ø	1099	-		ī
M87-NUC	12 30 49.4		HSP/POL	SINGLE	POL9Ø	F237M		ī	6Ø	1099			1
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Target	RA (2000)	Dec (2000)	Inst. Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	POL9Ø	F277M		1	6Ø	1ø99	1		1ø
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	POL9Ø	F327M		1	6Ø	1099	1		1
M87-NUC	12 30 49.4		HSP/POL	SINGLE	P0L135	F216M		ī	6Ø	1099	1		ī
M87-NUC	12 30 49.4		HSP/POL	SINGLE	P0L135	F237M		1	6Ø	1099	ī		ī
M87-NUC	12 30 49.4		HSP/POL	SINGLE	P0L135	F277M		1	6Ø	1099	1		1ø
M87-NUC	12 30 49.4	12 23 28	HSP/POL	SINGLE	P0L135	F327M		1	6Ø	1099	1		1
NGC4486	12 30 49.4	12 23 28	FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	1		2
NGC4486	12 30 49.4		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029	1		ī
NGC4486-DFFSET	12 30 49.4			ACQ/BINA		MIRROR		1	11	1029	1	ACQ	1
NGC4488	12 30 49.5	12 23 28	F0C/96	IMAGE	512X1Ø24	F43ØW		1	9000	1284	2	•	1
NGC4488	12 30 49.5		F0C/96	IMAGE	512X1Ø24	F48ØLP		1	9000	1284	2		ĩ
NGC4486-PAR	12 30 49.5		WFC	IMAGE	ALL	F555W		1	9000	1284	1	PAR	1
NGC4486-PAR	12 30 49.5		WFC	IMAGE	ALL	F785LP		1	9000	1284	1	PAR	1
HD1Ø89Ø3		-57 6 48	HRS	ACCUM	2.0	G14ØL	155Ø	1	354	1195	1		1
HD1Ø89Ø3		-57 6 48	HRS	ACCUM	2.0	G14ØL	1800	1	354	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	2.0	G2ØØM	1655	1	300	1195	1		1
HD1Ø89Ø3	12 31 9.9		HRS	ACCUM	2.0	G14ØL	1314	1	546	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	2.0	G2ØØM	1994	1	435	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	WSCAN	2.0	G27ØM	2106	1	1104	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	Ø.25	ECH-B2Ø	2759	1	273	1195	1		1
HD1Ø89Ø3		-57 6 48	HRS	ACCUM	Ø.25	ECH-B2Ø	2772	1	273	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	84	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	Ø.25	ECH-B21	2736	1	192	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	Ø.25	ECH-B22	2596	1	468	1195	1		1
HD1Ø89Ø3	12 31 9.9	-57 6 48	HRS	ACCUM	Ø.25	ECH-B24	2327	1	816	1195	1		1
HD109011	12 31 18.9	55 7 8	HRS	ACCUM	2.0	G14ØL	1430	2	150	1210	Ø		1
DW1ØD43	12 31 47.1	10 40 9	F0C/96	IMAGE	512X512	F342W		1	300	1247	2		1
DW1ØD43	12 31 47.1	10 40 9	F0C/288	IMAGE	512X512	F22ØW		1	600	1247	2		1
PKS1229-Ø21	12 32 Ø.Ø	-2 24 5	WFC	IMAGE	ANY	F128LP		1	1200	1193	1		1
PKS1229-Ø21	12 32 Ø.Ø	-2 24 5	FOS/RD	ACCUM	1.0	G16ØL	1675	1	1000	1193	1		1
PKS1229-Ø21	12 32 Ø.Ø	-2 24 5	FOS/RD	ACQ/BINA		MIRROR		1	11	1193	1	ACQ	1
PKS1229-Ø21	12 32 Ø.Ø	-2 24 5	FOS/RD	ACQ/BINA		MIRROR		1	11	1193	2	ACQ	1
PKS1229-Ø21	12 32 Ø.Ø	-2 24 5	FOS/RD	ACCUM	1.0	G19ØH	1943	1	4000	1193	2		1
1229-Ø12	12 32 Ø.Ø	-2 24 6	F0C/288	IMAGE	512X512	F342W		1	300	1236	2		1
OFFSET-1229+204	12 32 3.3		FOS/RD	ACCUM	2.Ø-BAR	PRISM	3675	1	1800	1154	Ø		1
1229+204	12 32 3.6	20 9 30	FOS/RD	ACCUM	4.3	G65ØL	645Ø	1	30	1154	Ø		1
1229+204	12 32 3.6	20 9 30	FOS/RD	ACQ/BINA		MIRROR		1	11	1154	Ø	ACQ	1
1229+204	12 32 3.6	20 9 30	FOS/RD	ACCUM	2.Ø-BAR	G65ØL	645Ø	1	1800	1154	Ø	4.00	1
SA013884Ø	12 33 2.6	-2 17 24	WFC	IMAGE	ALL	F569W		1	9	1082	2	ACQ	2
SA013884Ø	12 33 2.6	-2 17 24	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1082	2		2
NGC4526F1	12 34 1.3	7 44 45	WFC	IMAGE	ALL	F555W		1	2700	1016	1		1
NGC4528F1	12 34 1.3	7 44 45	WFC	IMAGE	ALL	F785LP		1	2700	1Ø16	1		1
NGC4526F2	12 34 8.5	7 38 26	F0C/48	IMAGE	512X512	F342W		1	2700	1Ø16	1	PAR	1
NGC4526F2	12 34 8.5	7 38 26	F0C/48	IMAGE	512X512	F43ØW		1	27ØØ	1Ø16	1	PAR	1
NGC4535-18ØN	12 34 20.3	8 14 53*	WFC	IMAGE	ALL	F336W		1	2300	1119	2		1
NGC4535-18ØN	12 34 2Ø.3	8 14 53*	WFC	IMAGE	ALL	F555W		1	2300	1119	2		12
NGC4535-18ØN	12 34 20.3	8 14 53*	WFC	IMAGE	ALL	F785LP		1	2300	1119	2		8
NGC45Ø7	12 35 36.7	-39 54 34	F0C/96	IMAGE	512X512	F5Ø2M	4950	1	400	1227	2		1
NGC45Ø7	12 35 36.7	-39 54 34	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	2		1
NGC45Ø7	12 35 36.7	-39 54 34	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	600	1227			1
NGC45Ø7	12 35 36.7	-39 54 34	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	400	1227	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp. Exp. Time	ID	Су.	Spec. Req.		
NGC4552-NUC	12 35 39.8	12 33 23	PC	IMAGE	ALL	F555W		1 420	1118	2		•	1
NGC4552-NUC	12 35 39.8	12 33 23	PC	IMAGE	ALL	F785LP		1 30	1118	2			1
NGC4552-NUC	12 35 39.8	12 33 23	PC	IMAGE	ALL	F785LP		1 300	1118	2			1
NGC4552-NUC	12 35 39.8	12 33 23	PC	IMAGE	ALL	F555W		1 41	1118	2			1
NGC4552-POS1	12 35 39.9			IMAGE	ALL	F555W		1 2200	1114	2			1
NGC4552-P0S1	12 35 39.9		WFC	IMAGE	ALL	F785LP		1 2500	1114	2			1
NGC4552	12 35 39.9		F0C/96	IMAGE	512X512	F32ØW		1 600	1Ø57	3			1
NGC4552	12 35 39.9		F0C/96	IMAGE	512X512	F5Ø2M		1 300	1Ø57	3			1
NGC4552	12 35 39.9		F0C/288	IMAGE	512X512	F32ØW		1 600	1057	3	CON		1
NGC4552	12 35 39.9		F0C/48	SPEC	256X1Ø24-SLIT		4500	1 12000	1057	3	CON		1
NGC4552	12 35 39.9		F0C/48	IMAGE	128X128-ASLIT		3920	1 100	1057	3	ACQ	CON	1
NGC4559-215N-171W	12 35 44.4			IMAGE	ALL	F336W		1 2300	1119	3			1
NGC4559-215N-171W	12 35 44.4			IMAGE	ALL	F555W		1 2300	1119	3			12
NGC4559-215N-171W	12 35 44.4 12 36 20.6	28 1 27 <b>*</b> 25 59 12	WFC WFC	IMAGE IMAGE	ALL ALL	F785LP		1 2300 1 180	1119 1118	3 2			4
NGC4565-BULGE NGC4565-BULGE	12 36 20.6		WFC	IMAGE	ALL	F555W		1 180 1 1800	1118	2			1
NGC4565-BULGE	12 36 20.6		WFC	IMAGE	ALL	F555W F785LP		1 120	1118	2			1
NGC4565-BULGE	12 36 20.6		WFC	IMAGE	ALL	F785LP		1 1200	1118	2			i
NGC4598	12 39 28.0		PC	IMAGE	ALL	F555W		1 14	1019	2			ī
NGC459Ø	12 39 28.0		PC	IMAGE	ALL	F785LP		1 14	1019	2			ī
HD110073		-39 59 15	HRS	ACCUM	Ø.25	ECH-B	2536	1 100	1182	2			ī
HD110073	12 39 52.5		HRS	ACCUM	Ø.25	ECH-A	1362	1 290	1182	2			ī
HD11ØØ73		-39 59 15	HRS	ACCUM	Ø.25	ECH-B	1942	1 139	1182	2			ī
HD11ØØ73	12 39 52.5	-39 59 15	HRS	ACCUM	Ø.25	ECH-B	1849	1 161	1182	2			1
NGC4594	12 39 59.0	-11 37 28	F0C/288	IMAGE	512X512	F275W		1 1800	1056	1	CON		1
NGC4594	12 39 59.0	-11 37 28	F0C/96	IMAGE	512X512	F1ND F275W		1 900	1056	Ø			1
NGC4594		-11 37 28	F0C/48	SPEC	256X1Ø24-SLIT		4500	1 5400	1056	1	CON		1
NGC4594-QS0	12 39 59.0		FOS/BL	ACCUM	1.0	G27ØH		1 2000	1043	3			1
NGC4594-QS0	12 39 59.0		FOS/BL	ACCUM	1.0	G13ØH		4 2000	1043	3			1
NGC4594-QS0	12 39 59.0		FOS/BL	ACQ/BINA		MIRROR		1 26	1043	3	ACQ		1
NGC4594-NUC		-11 37 23	PC	IMAGE	ALL	F555W		1 266	1118	1			1
NGC4594-NUC	12 39 59.4		PC	IMAGE	ALL	F785LP		1 19	1118	1			1
NGC4594-NUC NGC4594-NUC	12 39 59.4 12 39 59.4	and the second s	PC PC	IMAGE IMAGE	ALL ALL	F555W		1 26	1118	1			1
NGC4827	12 39 59.4		FOC/48	IMAGE	512X512	F785LP F342W		1 189 1 400	1118 1248	1 2			1 1
NGC4627 NGC4627	12 41 59.7	32 34 25	F0C/48	IMAGE	512X512 512X512	F43ØW		1 600	1248	2			1
NGC4627	12 41 59.7	32 34 25	F0C/48	IMAGE	512X512	F15ØW		1 1300	1248	2			i
NGC4621-NUC	12 42 2.4	11 38 48	PC	IMAGE	ALL	F785LP		1 11	1118	1			i
NGC4621-NUC	12 42 2.4	11 38 48	PČ	IMAGE	ALL	F785LP		1 110	1118	ī			ī
NGC4621-NUC	12 42 2.4	11 38 48	PC	IMAGE	ALL	F555W		1 15	1118	î			ī
NGC4621-NUC	12 42 2.4	11 38 48	PC	IMAGE	ALL	F555W		1 153	1118	ī			ī
NGC4621	12 42 2.5	11 38 49	F0C/96	IMAGE	512X512	F32ØW		1 600	1057	ī			ī
NGC4621	12 42 2.5	11 38 49	F0C/96	IMAGE	512X512	F5Ø2M		1 300	1057	1			1
NGC4621	12 42 2.5	11 38 49	F0C/288	IMAGE	512X512	F32ØW		1 600	1057	2	CON		1
NGC4621	12 42 2.5	11 38 49	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1 12000	1057	2	CON		1
NGC4821	12 42 2.5	11 38 49	F0C/48	IMAGE	128X128-ASLIT	F43ØW	3920	1 100	1057	2	ACQ	CON	1
NGC4649-NUC	12 43 40.1	11 33 8	PC '	IMAGE	ALL	F555W		1 98	1118	1	•		1
NGC4649-NUC	12 43 40.1	11 33 8	PC	IMAGE	ALL	F785LP		1 70	1118	1			1
NGC4649-NUC	12 43 40.1	11 33 8	PC	IMAGE	ALL	F785LP		1 700	1118	1			1
NGC4649-NUC	12 43 40.1	11 33 8	PC	IMAGE	ALL	F555W		1 979	1118	1			1
NGC4849	12 43 40.2		F0C/96	IMAGE	512X512	F32ØW		1 600	1057	2			1
NGC4849	12 43 40.2	11 32 58	F0C/98	IMAGE	512X512	F5Ø2M		1 300	1Ø57	2			1

Target	RA (2000)	Inst. Dec(2000) Config	Operating . Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tot Lin	
NGC4849	12 43 40.2	11 32 58 FOC/28	8 IMAGE	512X512	F32ØW		1	600	1Ø57	2	CON		1
NGC4649	12 43 40.2	11 32 58 FOC/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1 1	2000	1Ø57	2	CON		1
NGC4649	12 43 40.2	11 32 58 FOC/48	IMAGE	128X128-ASLIT	F43ØW	392Ø	1	100	1057	2	ACQ	CON	1
NGC4649-P0S1	12 43 54.9	11 33 3* WFC	IMAGE	ALL	F555W		1	2200	1114	1	•		1
NGC4649-P0S1	12 43 54.9		IMAGE	ALL	F785LP		1	25ØØ	1114	1			1
NGC4649-P0S2	12 44 5.7		IMAGE	ALL	F555\		1	2200	1114	2			1
NGC4649-P0S2	12 44 5.7		IMAGE	ALL	F785LP		1	2500	1114	2			1
PG1241+176	12 44 10.8		ACQ/BINA		MIRROR		1	11	1Ø25	2	ACQ		1
PG1241+176	12 44 10.8	•	ACCUM	1.0	G27ØH	2753	1	600	1025	2			1
HD11Ø897	12 44 59.8		ACCUM	Ø.25	G27ØM	2497	2	420	1064	3	CON	SEL	1
NGC4697	12 48 35.6	· · · · · · · · · · · · · · · · · · ·	IMAGE	512X512	F32ØW		1	600	1057	3			1
NGC4697	12 48 35.6		IMAGE	512X512	F5Ø2M		1	300	1Ø57	3			1
NGC4697	12 48 35.6			512X512	F32ØW		1	600	1057	3	CON		1
NGC4697	12 48 35.6	-	SPEC	256X1Ø24-SLIT		4500		2000	1057	3	CON		1
NGC4697	12 48 35.6		IMAGE	128X128-ASLIT		3920	1	100	1057	3	ACQ	CUN	1
NGC4696		-41 18 4Ø FOC/96	IMAGE	512X1Ø24	F43ØW F372M		2	6ØØ	1242	1			1
NGC4696	12 48 49.3		IMAGE IMAGE	512X1Ø24 512X1Ø24	F342W	3425	4 2	6ØØ 6ØØ	1242 1242	1 1			1
NGC4696		-41 18 40 FOC/96 -41 18 39* FOC/96	IMAGE	512X512 512X512	F372M	3425	1	900	1251	2			1
NGC4696-OFFSET NGC4696-OFFSET		-41 18 39* FOC/96	IMAGE	512X512 512X512	F5Ø2M		1	9ØØ	1251	2			1
NGC4696-OFFSET		-41 18 39* FOC/48	SPEC	256X1Ø24-SLIT		4000	1	7200	1251	2			i
1246-057	12 49 13.8		IMAGE	ANY	F128LP	7000	î	1200	1028	2			1
1246-057	12 49 13.8		ACCUM	Ø.5	PRISM	3500	ī	500	1028	1			i
1246-057	12 49 13.8		ACCUM	Ø.5	G16ØL	1650		1000	1028	ī			ī
1246-057	12 49 13.8		ACCUM	Ø.5	G13ØH	1300	ī	3000	1028	2	CON		ī
1246-Ø57	12 49 13.8		ACCUM	Ø.5	G19ØH	1900	1	2000	1028	2	CON		ī
1246-057	12 49 13.8		ACCUM	Ø.5	G27ØH	2700	1	1000	1Ø28	2	CON		1
1246-057	12 49 13.8		ACQ/BINA	4.3	MIRROR		1	11	1028	1	ACQ		1
1248-057	12 49 13.8	-5 59 19 FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1Ø28	2	ACQ	CON	1
1248-Ø57	12 49 14.0	-5 59 19 FOC/28	8 IMAGE	512X512	F342W		1	300	1236	2	•		1
PG1247+267	12 50 5.7		ACCUM	Ø.5	G16ØL	1650	1	1000	1Ø28	2			1
PG1247+267	12 50 5.7		ACCUM	Ø.5	G13ØH	1300	1	3000	1028	2	CON		1
PG1247+267	12 5Ø 5.7		ACCUM	Ø.5	G19ØH	1900	1	2000	1028	2	CON		1
PG1247+287	12 50 5.7		ACCUM	Ø.5	G27ØH	2700	1	4500	1Ø28	2	•		1
PG1247+267	12 50 5.7		ACQ/BINA		MIRROR		1	11	1028	2	ACQ		1
PG1247+287	12 50 5.7		ACQ/BINA		MIRROR		1	11	1028	2	ACQ		1
PG1247+267	12 50 5.7		ACQ/BINA		MIRROR		1	11	1028	2	ACQ	CON	1
5C12.4	12 50 45.7		IMAGE	512X512	F342W	336Ø	1	2790	1245	1			1
NGC4738-NUC	12 50 53.2		IMAGE	ALL	F785LP		1	11	1118	2			1
NGC4738-NUC	12 50 53.2		IMAGE	ALL ALL	F785LP F555W		1	110	1118	2			1
NGC4738-NUC	12 50 53.2		IMAGE IMAGE	ALL	F555W		1	15	1118	2			1
NGC4738-NUC	12 50 53.2		IMAGE	512X512	F275W		1	153 900	1118 1056	2			1 1
NGC4738	12 50 53.4			512X512 512X512	F275W		1		1056	2	CON	CEI	_
NGC4738 NGC4738	12 5Ø 53.4 12 5Ø 53.4		SPEC	256X1Ø24-SLIT		4500	1	1800 5400	1056	2	CON		1 1
NGC4755 NGC4753	12 50 53.4		IMAGE	ALL	F555W	4000	1	30	1105	3	CON	JEL	i
NGC4753	12 52 21.9		IMAGE	ALL	F555W		i	230	1105	3			i
NGC4753	12 52 21.9		IMAGE	ALL	F555W		1	1400	1105	3			i
EX-HYA	12 52 21.9	<b>-</b> :: ::::::::::::::::::::::::::::::		1.0	F248M/F135W		1	6120	1090	1			ī
LSØØ3Ø5	12 52 24.0	•	IMAGE	ALL	F569W		î	Ø	1082	3	ACQ		2
LSØ03Ø5	12 52 26.Ø			1.0	F75ØW/F32ØN		ī	1500	1082				2
200000	02 20.0	IS	.,				_	2000	1202	J			_

		Inst. 0	perating		Spectral	Central	No.	- •			Spec.		
Target	RA (2000)	Dec(2000) Config.	Mode	Aperture	Element	Wave.	Exp.	. Time	ID	Cy.	Req.	Lines	
					•								
LSØØ387	12 53 4.9	9 -4 20 35 WFC	IMAGE	ALL	F569W		1	Ø	1Ø82	3	ACQ		
LSØØ387	12 53 4.9	<del>-</del>		1.0	F75ØW/F32ØN		i	1500	1082	3	ACW	3 2	
LSEESOI	12 00 7.5	9 <b>-4</b> 20 35 HSP/PMT/V IS	SELLI	1.0	170011/132014		-	1000	1002	•		2	
3C277.2	12 53 33.7		IMAGE	ALL	F555W		1	27ØØ	1070	1		1	
3C277.2	12 53 33.7		IMAGE	ALL	F785LP		ī	2700	1070	ī		î	
3C277.3	12 54 12.1		IMAGE	512X512	F32ØW		ī	600	1228	ī		î	
3C277.3	12 54 12.1		IMAGE	512X512	F55ØM		ī	900	1228	î		î	
3C277.3	12 54 12.1		IMAGE	512X512	F13ØM		ī	600	1228	2		ī	
3C277.3	12 54 12.1		IMAGE	512X512	F502M		1	600	1228	2		ī	
3C277.3	12 54 12.1	•	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	ī	
3C277.3	12 54 12.1	•	SPEC	256X1Ø24-SLIT		4500		2000	1057	2	CON	ī	
3C277.3	12 54 12.1		SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	ī	
3C277.3	12 54 12.1		IMAGE	128X128-ASLIT		3920	1	100	1057	2	ACQ		
3C278		3 -12 33 22 FOC/98	IMAGE	512X512	F32ØW		1	300	1228	2		1	
3C278		3 -12 33 22 FOC/48	IMAGE	512X512	F18ØLP		1	6ØØ	1228	2	CON	1	
3C278		3 -12 33 22 FOC/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	
3C279	12 58 11.1		STAR-SKY		F14ØLP		1	6Ø	1099	1		10	
3C279	12 58 11.1		STAR-SKY		F277M		1	66	1Ø99	1		10	
3C279	12 58 11.1		STAR-SKY		F277M		1	66	1099	1		10	
3C279	12 56 11.1	1 -5 47 21 HSP/POL	STAR-SKY	POL9Ø	F277M		1	66	1099	1		10	
3C279	12 56 11.1	1 -5 47 21 HSP/POL	STAR-SKY	P0L135	F277M		1	66	1099	1		10	
3C279	12 56 11.2	2 -5 47 21 FOC/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1	
3C279	12 56 11.2	2 -5 47 21 FOC/288	IMAGE	512X512	F32ØW		1	2400	1228	Ø		1	
<b>3C279</b>	12 56 11.2	2 -5 47 21 FOC/288	IMAGE	512X512	F37ØLP		. 1	2400	1228	Ø		1	
3C27 <del>9</del>	12 58 11.2	2 -5 47 21 FOC/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	
MRK231	12 56 14.4	4 56 52 25 FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	2		2	
MRK231	12 58 14.4		ACCUM	Ø.5	PRISM	3675	1	1440	1029	2		1	
MRK231-FIELD	12 56 14.4		IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ	1	
MRK231-OFFSET	12 56 14.4		ACQ/BINA		MIRROR		1	11	1029	2	ACQ	1	
MKN231	12 56 14.4	· · · · · · - · · · · · · · · · · · · ·	SPEC	256X1Ø24-SLIT		4400	1	1100	1231	2		1	
FJ1Ø83-1Ø	12 56 35.9		IMAGE	ALL	F569W		1	Ø	1083	2	ACQ	2	
FJ1Ø83-1Ø	12 56 35.9		SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2		2	
		IS					_			_			
NGC4826	12 56 43.5		IMAGE	ALL	F555W		1	3Ø	1105	3		1	
NGC4826	12 56 43.5		IMAGE	ALL	F7Ø2W		1	3Ø	1105	3		1	
NGC4828	12 56 43.5		IMAGE	ALL	F555W		1	23Ø	1105	3		1	
NGC4826	12 56 43.5		IMAGE	ALL	F555W		1	1400	1105	3		1	
NGC4828	12 56 43.5		IMAGE	ALL	F702W		1	23Ø	1105	3		1	
NGC4828	12 56 43.5		IMAGE	ALL	F702W		1	1400	1105	3		1	
NGC4826	12 56 43.5		IMAGE	ALL	F785LP		1	3Ø	1105	3		1	
NGC4828	12 56 43.5		IMAGE	ALL	F785LP		1	230	1105	3		1	
NGC4828	12 56 43.5		IMAGE	ALL	F785LP		1	1400	1105	3		1	
3C28Ø	12 56 57.9		IMAGE	ALL	F622W		1	2700	1070	1		1	
3C28Ø	12 56 57.9		IMAGE	ALL	F85ØLP		1	2700	1070	1		1	
1258+357 NCC4974	12 58 29.8		IMAGE	512X512	F342W		1	300	1238	2		1	
NGC4874	12 59 35.6		IMAGE	ALL	F157W		1	7ØØ	1157	Ø		1	
NGC4874	12 59 35.6		IMAGE	ALL	F336W		1	300	1157	Ø		1	
NGC4874	12 59 35.6		IMAGE	ALL	F675W		1	150	1157	Ø		1	
NGC4881-POS1	12 59 57.6		IMAGE	ALL	F555W		1	2200	1114	1		1	
NGC4881-P0S1	12 59 57.8		IMAGE	ALL	F785LP		1	2500	1114	1		1	
GX3Ø4-1	13 Ø 14.5		PRISM	1.0	F248M/F135W		1	3000	1091	1		1	
IC4051-POS1	13 Ø 58.Ø	Ø 28 Ø 28+ WFC	IMAGE	ALL	F555W		1	2200	1114	3		1	

Target	RA (	2000)	De	oc (200	9Ø)	Inst. Config.	0 F	erating Mode	Aperture	Spectral Element	Centra Wave.			Exp. Time	ID	Су.	Spec Req		otal	
IC4051-POS1	13	Ø 58.0	ð 2	8 Ø	28*	WFC		IMAGE	ALL	F785LP		1	. 2	2500	1114	3			1	
B234	13	3 3.3	3 3	5 51	28	WFC		IMAGE	ALL	F555W		1		6Ø	1116	1			1	
B234	13	3 3.3	3 3	5 51	28	WFC		IMAGE	ALL	F725LP		1		40	1116	1			1	
B234	13	3 3.3	3 3	5 51	28	WFC		IMAGE	ALL	F725LP		1		162	1116	1			1	
B234	13	3 3.3	3 3	5 51	28	WFC		IMAGE	ALL	F725LP		1	. 1	1299	1116	1			1	
1300+361	13	3 3.3	3 3	5 51	28	FOS/RD		ACCUM	4.3	G65ØL	6000	1		3Ø	1154	2			1	
1300+361	13	3 3.3		5 51		FOS/RD		ACQ/BINA		MIRROR		1		11	1154	2	ACQ		1	
1300+361	13	3 3.3	3 3	5 51	28	FOS/RD		ACCUM	2.Ø-BAR	G65ØL	6000	1	. 1	L8ØØ	1154	2			1	
NGC4936	13	4 16.3	3 –3	Ø 31	2	F0C/96		IMAGE	512X512	F32ØW		1		600	1057	2			1	
NGC4936	13	4 16.3	3 -3	Ø 31	2	F0C/96		IMAGE	512X512	F5Ø2M		1		300	1Ø57	2			1	
NGC4936	13	4 16.3	3 –3	Ø 31	2	F0C/288		IMAGE	512X512	F32ØW		1		600	1057	2	CON		1	
NGC4936	13	4 16.3		Ø 31	2	F0C/48		SPEC	256X1Ø24-SLIT		4500	1	12	2000	1057	2	CON	1	1	
NGC4938	13	4 16.3			2	F0C/48		IMAGE	128X128-ASLIT		3920			100	1Ø57	2	ACQ	CO	1 1	
POINT1302-102INCA221		4 48.8		Ø 28	10	S/C		POINTING	V1			1		Ø	1570	2	•		2	
-87 POINT13Ø2-1Ø2INCA221		4 48.8				S/C		POINTING	V1			1		Ø	1570	3			1	
-87						•														
INCA221-87	13	5 26.				FGS		POS	2	F55ØW		1		51	157Ø	2			4	
INCA221-87	13			Ø 19		FGS		POS	2	F55ØW		1		51	157Ø	3			2	
PG1302-102	13		-		20	WFC		IMAGE	ALL	F7Ø2W		1		400	1015	1			1	
PG1302-102	13			Ø 33		WFC		IMAGE	ALL	F7Ø2W		1	. ]	1600	1015	1			1	
PG13Ø2-1Ø2	13			Ø 33		FOS/RD		ACQ/BINA		MIRROR		. 1		11	1018	2	ACQ		2	
PG1302-102	13	5 33.6			2Ø	FOS/RD		ACCUM	1.0	G27ØH	2753			600	1018	2			1	
PG13Ø2-1Ø2	13				20	FOS/RD		ACCUM	1.0	G65ØL	6232			9Ø	1018	2			1	
PG13Ø2-1Ø2	13				20	FOS/RD		ACCUM	1.0	G19ØH	1980			1500	1018	2	545		1	
SKY-BG8	13	5 33.4	_		20*			ACCUM	1.0	G65ØL	6232			2000	1015	1	PAR		1	
PKS13Ø2-1Ø2	13	5 33.4			2Ø	F0C/96		IMAGE	512X512	F43ØW		1		1800	1234	1			1	
PKS13Ø2-1Ø2	13	5 33.4			20	F0C/96		IMAGE	512X512	F342W		1		1800	1234	3			1	
OFFSET-PG13Ø2-1Ø2	13	5 33.6			2Ø*			ACQ/BINA		MIRROR		. 1		11	1018	2	ACG		1	
OFFSET-PG13Ø2-1Ø2	13				20+	FOS/RD		ACCUM	1.0	G65ØL	6232			2000	1018	2			1	
1302-102	13		_		20	HRS		ACCUM	2.0	G16ØM	1550			1800	1156	2			1	
1302-102	13				20	HRS		ACCUM	2.0	G2ØØM	1985			1800	1156	2			1	
1302-102INCA221-87	13	5 33.6			20	FGS		POS	2	F55ØW		1		51	1570	2			6	
1302-102INCA221-87	13	5 33.9			20	FGS		POS	2	F55ØW		1	•	51	1570	3			3	
1302-102INCA221-88	13				20	FGS		POS	2	F55ØW		1		51	1570				6	
1302-102INCA221-88	13	5 33.6			20	FGS		POS	2	F55ØW		1		51	157Ø		4.00		3	
PK\$13Ø2-1Ø2	13	5 33.6			20	FOS/BL		ACQ/BINA		MIRROR		. 1	•	11	1163	1	ACG	t	1	
PK\$13Ø2-1Ø2	13	5 33.6			2Ø	FOS/BL		ACCUM	1.0	G13ØH	1379			2100	1163	_			1	
INCA221-88	13	5 41.7			6	FGS		POS	2	F55ØW		1	•	51	1570				4	
INCA221-88	13	5 41.	_		6	FGS		POS	2	F55ØW		1	-	51	1570				2	
G61-29	13	5 42.6		8 1	1	FOS/BL		ACQ/BINA		MIRROR		. 1	_	11	1067		ACG	l	1	
G61-29	13	5 42.6		8 1	1	FOS/BL		ACCUM	Ø.5	G16ØL	1837			240	1067				1	
W22722	13	5 54.8		Ø 32		FOS/RD		ACCUM	1.0	PRISM		1		300	1146				1	
W22722	13	5 54.8		Ø 32		FOS/BL		ACQ/BINA		MIRROR		1		11	1146		ACG	•	1	
W22722	13	5 54.8			53	FOS/RD		ACQ/BINA		MIRROR		. 1		11	1146		ACC	ŧ	1	
W22722	13	5 54.8		Ø 32		FOS/BL		ACCUM	1.0	G16ØL	1837			600	1146				1	
POINT1302-102INCA221 -88	13	6 14.3	3 –1	Ø 39	45	S/C		POINTING	V1			1	l	Ø	157Ø	2			2	
POINT1302-102INCA221 -88	13	6 14.3	3 -1	Ø 39	45	s/c		POINTING	V1			1	l	Ø	1570	3			1	
1304-234P11	13	7 5.5	5 -2	3 40	32	F0C/96		IMAGE	512X512	F342W		1	l	600	1244	2			1	
1304-234P11	13			3 40		F0C/96		IMAGE	512X512	F43ØW		-	Ī.	600	1244				1	
			-			/		· · · <del></del>	<b>-</b>			-	-		•	_			_	

Target		RÁ (	(2000)	Dec	(2000)	Ínst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
13Ø4-234P11		13	7 5.5	-23	40 32	F0C/98	IMAGE	512X512	F5Ø2M		1	600	1244	2			1
USHER-295		13	7 23.4		24 4		IMAGE	512X1Ø24	F22ØW		2	1000	1282	2			ī
USHER-295		13	7 23.4		24 4	•	IMAGE	512X1Ø24	F342W		2	500	1282				ī
KK-57.1		13	7 30.7		17 42	* WFC	IMAGE	ALL	F555W		1	1000	1282	1	PAR		1
KK-57.1		13	7 30.7	29	17 42	* WFC	IMAGE	ALL	F555W		1	2000	1282	1	PAR		1
KK-57.8		13	7 39.7	29	31 43	* WFC	IMAGE	ALL	F555W		1	5400	1282	1	PAR		1
KK-57.1Ø		13	7 39.8	29	19 2	* WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.11		13	7 40.5	29	18 33	* WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.12		13	7 43.9	29	18 11	* WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.2		13	7 51.Ø	29	14 31	* WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
SA57-3535	*	13	7 54.7	29	12 45	F0C/98	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-186Ø1		13	7 56.6	29	36 19	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-18978		13	7 57.8	29	36 58	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	27ØØ	1282	2			1
SA57-4239		13	7 58.Ø	29	13 47	F0C/48	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
KK-57.3		13	7 59.5	29	12 37	* WFC	IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.5		13	8 Ø.2		36 5		IMAGE	ALL	F555W		8	168Ø	1282	1	SEL		1
KK-57.5		13	8 Ø.2		36 5		IMAGE	ALL	F555W		6	168Ø	1282	1	CON	SEL	1
KK-57.7		13	8 1.1		29 49		IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.8		13	8 1.4		29 45		IMAGE	ALL	F555W_		1	1799	1282	1	PAR		1
SA57-18576		13	8 6.6		36 14		IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-441		13	8 6.8			• .	IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-15Ø1		13	8 7.Ø				IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-5154		13	8 11.2				IMAGE	512X1Ø24	F13ØLP		2	899	1282	2			1
SA57-16Ø36		13	8 16.2	29	31 58	F0C/48	IMAGE	512X1Ø24	F275W		6	163Ø	1282	1	CON PAR		1
KKC35		13	8 3Ø.4	29	8 44	WFC	IMAGE	ALL	F6Ø6W		1	3000	1045	2	ACQ	•	1
KKC35		13	8 30.4	29			ACQ/BINA		MIRROR		1	26	1045	2	ACQ	CON	3
1414 4									EEEEW		_				SEL		
KK-57.4		13	8 37.0		27 34		IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
KK-57.9		13	8 59.8		18 33		IMAGE	ALL	F555W		1	1799	1282	1	PAR		1
SA57-12536		13	9 6.8		26 33		IMAGE	512X1Ø24	F13ØLP F275W		2	899	1282				1
SA57-L64		13	9 12.7		24 29		IMAGE	512X1Ø24	,,		2	899	1282	2	051		1
SA57-1 SA57-1	,	13	9 15.0		12 21		IMAGE	ALL	F555W		1	540	1020		SEL		1
SA57-1	•	13	9 15.0		12 21		IMAGE IMAGE	ALL ALL	F555 <b>W</b> F785LP		1	2160	1020	Ø	SEL		1
SA57-1		13	9 15.0		12 21		IMAGE	ALL	F785LP		1	540	1020	Ø	SEL		1
PG13Ø7+Ø85		13 13	9 15.Ø 9 47.Ø		12 21 19 49				MIRROR		1	2160	1020	Ø	SEL		1
PG13Ø7+Ø85			9 47.Ø		19 49		ACQ/BINA ACQ/BINA	4.3	MIRROR		1	11	1025	2	100		1
PG1307+085		13 13	9 47.0				ACCOM VCG/PTIAN	1.0	G13ØH	1379	1	11	1025	2	ACQ		2
PG1307+085		13	9 47.0		19 49 19 49		ACCUM	1.0	G27ØH	2753	1	9ØØ 3ØØ	1025	2			1
PG13Ø7+Ø85		13	9 47.0		19 49	•	ACCUM	1.0	G19ØH	198ø	1		1025	2			1
KKC77		13	9 59.1		22 49		IMAGE	ALL	F6Ø6W	1300	1	48Ø 3ØØØ	1025		4.00		1
KKC77		13			22 49		ACQ/BINA		MIRROR		1		1045		ACQ		1
RRC77		13	9 59.1	2,3	24 49	FUSTRU	ACG/ DIAN	7.3	MINNON		1	26	1045	2	SEL	CON	3
B213Ø8+326		13	10 28.7	32	20 43	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1029	2			1
B213Ø8+326		13	10 28.7	32	20 43	FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029		`		3
B213Ø8+326		13	10 28.7	32	20 43	FOS/BL	ACCUM	Ø.5	PRISM	3675	1	1440	1029				2
B213Ø8+326		13	10 28.7	32	20 43		ACCUM	Ø.5	G13ØH	1379	1	1500	1029				1
Q13Ø9-Ø56		13	11 36.5	-5	52 38	FOS/RD	ACCUM	1.0	PRISM	5400	1	300	1146				1
Q13Ø9-Ø56		13	11 36.5	-5	52 38	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	1146		ACQ		1
Q13Ø9-Ø58		13	11 36.5	-5	52 38	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1146				1
Q13Ø9-Ø56		13	11 36.5	-5	52 38	FOS/BL	ACCUM	1.0	G16ØL	1837	1	600	1146				1

Target	RA (2000)	Dec(2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Tota Line	
PG13Ø9+355	13 12 17.8	35 15 21	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1025	2	ACQ		1
PG13Ø9+355	13 12 17.8	35 15 21	FOS/RD	ACQ/BINA		MIRROR		ī	11	1025	2	ACQ		2
PG13Ø9+355	13 12 17.8	35 15 21	FOS/RD	ACCUM	1.0	G27ØH	2753	ī	600	1025	2			ī
PG13Ø9+355	13 12 17.8	35 15 21	FOS/BL	ACCUM	1.0	G16ØL	1837	ī	120	1025	2			i
PG13Ø9+355	13 12 17.8	35 15 21	FOS/RD	ACCUM	1.0	G19ØH	1980	î	72Ø	1025	2			ī
NGC5Ø33-22ØS-49E	13 13 32.1	36 31 58*		IMAGE	ALL	F336W	1000	ī	2300	1119	ĩ			i
NGC5Ø33-22ØS-49E	13 13 32.1	36 31 58*	WFC	IMAGE	ALL	F555W		î	2300	1119	i		1	
NGC5033-220S-49E	13 13 32.1	36 31 58+	WFC	IMAGE	ALL	F785LP		i	2300	1119	i			4
HD115Ø43	13 13 36.9	56 42 30	HRS	ACCUM		G14ØL	1300	3	200	1210	2			
HD115043	13 13 36.9	56 42 3Ø	HRS	ACCUM	2.0	G14ØL	1550	2	150	1210	2			1
1311-270					2.0		1000							1
NGC5Ø44	13 13 47.4		F0C/288	IMAGE	512X512	F342W		1	300	1236	2			1
	13 15 26.1		F0C/96	IMAGE	512X512	F32ØW		1	600	1057	2			1
NGC5Ø44	13 15 26.1		F0C/96	IMAGE	512X512	F5Ø2M		1	300	1057	2	C011		1
NGC5Ø44	13 15 26.1		F0C/288	IMAGE	512X512	F32ØW	4500	1	800	1057	2	CON		1
NGC5Ø44	13 15 26.1		F0C/48	SPEC	256X1024-SLIT		4500		12000	1057	2	CON		1
NGC5Ø44		-16 23 55	F0C/48	IMAGE	128X128-ASLIT	F430W	3920	1	100	1057	2	ACQ (		1
POINT-CP8.2	13 16 33.Ø	-3 54 Ø	S/C	POINTING				1	Ø	1014	2	CON		1
POINT-CP8.1	13 16 34.3	-3 53 42	S/C	POINTING				1	Ø	1014	2			1
GAL-CLUS-131842+3132	13 19 16.0	31 17 18	WFC	IMAGE	ALL	F725LP		10	2300	1115	3			1
18								_			_			
NGC5Ø77	13 19 31.5		F0C/98	IMAGE	512X512	F32ØW		1	600	1057	2			1
NGC5Ø77	13 19 31.5		F0C/96	IMAGE	512X512	F5Ø2M		1	300	1Ø57	2			1
NGC5Ø77	13 19 31.5		F0C/288	IMAGE	512X512	F32ØW		1	600	1057	2	CON		1
NGC5Ø77	13 19 31.5		F0C/48	SPEC	256X1024-SLIT		4500		12000	1057	2	CON		1
NGC5Ø77	13 19 31.5		F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ (	CON	1
1318-314		-31 44 25	F0C/98	IMAGE	512X512	F342W		1	300	1244	2			1
1318-314	13 20 55.1	-31 44 25	F0C/98	IMAGE	512X512	F43ØW		1	3ØØ	1244	2			1
1318-314	13 20 55.1	-31 44 25	F0C/98	IMAGE	512X512	F5Ø2M		1	600	1244	2			1
T0N155	13 21 14.7	28 47 49	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1144	3	ACQ		1
T0N155	13 21 14.7	28 47 49	FOS/BL	ACCUM	1.0	G13ØH	1379	1	648Ø	1144	3			1
T0N155	13 21 14.7	28 47 49	FOS/RD	ACCUM	1.0	G19ØH	1980	1	3240	1144	3			1
T0N156	13 21 15.9	28 47 19	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1144	3	ACQ		1
T0N158	13 21 15.9	28 47 19	FOS/BL	ACCUM	1.0	G13ØH	1379	1	1440	1144	3			1
T0N158	13 21 15.9	28 47 19	FOS/RD	ACCUM	1.0	G19ØH	1980	1	1080	1144	3			1
3C285	13 21 17.9	42 35 15	F0C/98	IMAGE	512X512	F32ØW		1	600	1057	2			1
3C285	13 21 17.9	42 35 15	F0C/96	IMAGE	512X512	F5Ø2M		1	300	1057	2			1
3C285	13 21 17.9	42 35 15	F0C/288	IMAGE	512X512	F32ØW		1	800	1057	2	CON		1
3C285	13 21 17.9	42 35 15	F0C/98	IMAGE	512X512	F48ØLP		1	1740	1058	2			1
3C285	13 21 17.9	42 35 15	FOC/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	12000	1Ø57	3	CON		1
3C285	13 21 17.9	42 35 15	F0C/48	IMAGE	128X128-ASLIT		3920	1	100	1057	3	ACQ		1
NGC51Ø2	13 21 55.5	-36 38 50	F0C/98	IMAGE	512X512	F32ØW		1	600	1057	2	•		1
NGC51Ø2	13 21 55.5	-36 38 50	F0C/98	IMAGE	512X512	F5Ø2M		1	300	1057	2			ī
NGC51Ø2		-36 38 50	F0C/288	IMAGE	512X512	F32ØW		1	600	1057	2	CON		1
NGC51Ø2		-36 38 50	F0C/48	SPEC	258X1Ø24-SLIT		4500		12000	1057	2	CON		ī
NGC51Ø2		-36 38 50	F0C/48	IMAGE	128X128-ASLIT		3920	ī	100	1057	2	ACQ		ī
NGC51Ø2-NUC		-36 37 51	PC PC	IMAGE	ALL	F555W		î	23	1118	1			î
NGC5102-NUC	13 21 57.2		PC	IMAGE	ALL	F555W		ī	230	1118	i			i
NGC5102-NUC		-36 37 51	PC	IMAGE	ALL	F785LP		i	200	1118	1			i
NGC5102-NUC		-36 37 51	PC	IMAGE		F785LP		1	200	1118	1			-
NGC5102-NOC		-36 37 49	F0C/48	IMAGE	ALL 512X512	F342W		1	1000	1239	_			1
NGC5102 NGC5102								-			2			1
		-36 37 49	FOC/48	IMAGE	512X512	F43ØW		1	1000	1239	2			1
NGC51Ø2	13 21 57.5	-35 31 49	F0C/48	IMAGE	512X512	F15ØW		1	144Ø	1239	1			1

NGC51Ø2 13 21 57.5 -36 37 49 FOC/48 SPEC 256X1Ø24-SLIT PRISM3 1 18ØØ 1239 3 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F13ØM 1 9ØØ 1244 2 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F342W 1 3ØØ 1244 2 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F342W 1 3ØØ 1244 2 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F342W 1 3ØØ 1244 2 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F5Ø2W 1 3ØØ 1244 2 1 1319-164P11 13 22 23.Ø -16 43 33 FOC/98 IMAGE 512X512 F5Ø2W 1 60Ø 1244 2 1 1 100Ø 1244 2 100Ø 1244 2 1 100Ø 1244 2 1 100Ø 1244 2	Target
1319-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F130M 1 900 1244 2 1 1 319-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F342W 1 300 1244 2 1 1 3019-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F342W 1 300 1244 2 1 1 3019-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F502M 1 300 1244 2 1 1 3019-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F502M 1 600 1244 2 1 1 91322+659 13 23 49.6 65 41 48 WFC IMAGE 512X512 F502M 1 600 1244 2 1 1 91322+659 13 23 49.6 65 41 48 WFC IMAGE ALL F702W 1 1000 1015 2 1 1 1000 1015 2 1 1 1000 1015 2 1 1 1000 1015 2 1 1 1000 1015 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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1319-184P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F342W 1 300 1244 2 1 1 319-184P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F430W 1 300 1244 2 1 1 319-184P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F430W 1 300 1244 2 1 1 319-184P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F502M 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 2 1 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 1244 1 600 124	
1319-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F430W 1 300 1244 2 11 1319-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F502M 1 600 1244 2 11 PG1322+659 13 23 49.6 65 41 48 WFC IMAGE ALL F702W 1 1000 1015 2 1 SKY-BG22 13 23 49.6 65 41 48* FOS/RD ACCUM 1.0 G650L 6232 1 1000 1015 1 PAR 1 GAL-CLUS-132229+3114 13 24 48.6 30 59 2 WFC IMAGE ALL F622W 3 2300 1115 3 36 GAL-CLUS-132229+3114 13 24 48.8 30 59 2 WFC IMAGE ALL F785LP 3 2300 1115 3 138 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F622W 5 2300 1115 1 18 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 18 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 18 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1260 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1275 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1355 1 60 1168 3 1	
1319-164P11 13 22 23.0 -16 43 33 FOC/96 IMAGE 512X512 F502M 1 600 1244 2 1 1 1000 1015 2 1 1 1000 1015 2 1 1 1000 1015 2 1 1 1000 1015 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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SKY-BG22 13 23 49.6 65 41 48* FOS/RD ACCUM 1.0 G650L 6232 1 1000 1015 1 PAR 1 GAL-CLUS-132229+3114 13 24 48.6 30 59 2 WFC IMAGE ALL F622W 3 2300 1115 3 1 36 GAL-CLUS-132229+3114 13 24 48.6 30 59 2 WFC IMAGE ALL F785LP 3 2300 1115 3 1 38 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F622W 5 2300 1115 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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38 GAL-CLUS-132229+3114 13 24 48.6 30 59 2 WFC IMAGE ALL F785LP 3 2300 1115 3 1 36 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F622W 5 2300 1115 1 1 18 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 1 18 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1260 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1275 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1355 1 60 1168 3 1	
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36 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F622W 5 2300 1115 1 1 18 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 1 18 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1260 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1275 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1355 1 60 1168 3 1	
GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F622W 5 2300 1115 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
18 GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 1 18 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1260 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1275 1 60 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM 0.25 ECH-A 1355 1 60 1168 3 1	
GAL-CLUS-132227+3027 13 24 48.8 30 11 48 WFC IMAGE ALL F785LP 5 2300 1115 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
18 HD116658	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 126Ø 1 6Ø 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1275 1 6Ø 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1355 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1275 1 6Ø 1168 3 1 HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1355 1 6Ø 1168 3 1	
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HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1477 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1478 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1276 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1277 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1302 1 60 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1329 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1327 1 6Ø 1168 3 1	
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1328 1 6Ø 1168 3 1	HD116658
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1354 1 6Ø 1168 3 1	HD116658
HD116658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1356 1 6Ø 1168 3 1	HD116658
HD116658	HD116658
HD116658	HD116658
HD118658 13 25 11.5 -11 9 41 HRS ACCUM Ø.25 ECH-A 1393 1 6Ø 1168 3	HD116658
HD116658	HD116658
HD116658	HD116658
HD116842 13 25 13.5 54 59 17 HRS ACCUM 2.0 G140L 1550 1 70 1210 0 1	HD116842
HD118842 13 25 13.5 54 59 17 HRS ACCUM 2.0 G140L 1300 2 150 1210 0	HD116842
NGC5128 13 25 27.6 -43 Ø 48 WFC IMAGE ALL F555W 1 1ØØ 11Ø5 1	NGC5128
NGC5128 13 25 27.6 -43 Ø 48 WFC IMAGE ALL F555W 1 18ØØ 11Ø5 1	NGC5128
NGC5128 13 25 27.6 -43 Ø 48 WFC IMAGE ALL F785LP 1 100 1105 1	NGC5128
NGC5128 13 25 27.8 -43 Ø 48 WFC IMAGE ALL F785LP 1 18ØØ 11Ø5 1	NGC5128
NGC5128 13 25 28.9 -43 Ø 58 FOC/96 IMAGE 512X512 F320W 1 30Ø 1228 2	NGC5128
NGC5128 13 25 28.9 -43 Ø 58 FOC/98 IMAGE 512X512 F5Ø1N 1 9ØØ 1228 2	NGC5128
NGC5128 13 25 28.9 -43 Ø 58 FOC/98 IMAGE 512X512 F37ØLP 1 3ØØ 1228 2	NGC5128
NGC5128 13 25 28.9 -43 Ø 58 FOC/48 IMAGE 512X512 F18ØLP 1 6ØØ 1228 2 CON	NGC5128
NGC5128 13 25 28.9 -43 Ø 58 FOC/48 SPEC 256X1Ø24-SLIT GRAT-PRISM 1 12ØØ 1228 2 CON	NGC5128
OFFCEN-A 13 25 28.9 -43 Ø 58* WFC IMAGE ALL F5Ø2N 1 15ØØ 1228 1 PAR	OFFCEN-A
4C65.15 13 25 29.7 65 15 14 PC IMAGE ALL F128LP 1 2125 1Ø32 2 ACQ	4C65.15
4C85.15 13 25 29.7 65 15 14 PC IMAGE ALL F85ØLP 1 2125 1032 2 ACQ	4C65.15 ·
4C85.15 13 25 29.7 65 15 14 FOS/RD ACCUM Ø.5 G65ØL 1 84Ø 1Ø32 2 CON SEL 3	4C65.15
4C65.15 13 25 29.7 65 15 14 FOS/RD ACCUM Ø.5 PRISM 1 84Ø 1Ø32 2 CON SEL	4C65.15
4C65.15 13 25 29.7 65 15 14 FOS/RD ACQ/BINA 4.3 MIRROR 1 6 1Ø32 2 ACQ CON	4C65.15

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<u> -</u>	24.66	.~~	<b>~</b> `	_	/aa/	~~\	Inst.	Operating	Anomhuma	Spectral Element	Central	No.	Exp.	TO		Spec.		
Target	RA (2	2001	0)	Dec	(201	( טס	Config.	Mode	Aperture	Element	Wave.	⊏хр	. Time	ID	cy.	Req.	Lir	105
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4C65.15			29.7		15		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		1	7659	1032	2	CON		1
4065.15			29.7				FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	7659	1032	2	CON		1
4C65.15			29.7		15		FOS/RD	ACQ/PEAK		MIRROR	05.55	1	3Ø	1032	2	ACQ	CON	1
SKY8	13 2		29.7				FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	2125	1032	2	PAR		2
NGC5139			37.Ø				PC	IMAGE	P8	F6Ø6W		1	6	1Ø13	Ø			2
NGC5139			37.Ø				PC	IMAGE	P8	F658N		1	600	1013	Ø			1
NGC5139			37.Ø				PC	IMAGE	P8	F6Ø6W		1	6	1Ø13	1			2
NGC5139			37.Ø				PC	IMAGE	P8	F658N		1	600	1013	1			1
NGC5139			45.9				PC	IMAGE	ALL	F555W F785LP		1	6	1Ø19 1Ø19	2			1
NGC5139			45.9				PC	IMAGE	ALL			1	1500		2			1
NGC5139			45.9				F0C/98	IMAGE	512X1Ø24	F43ØW		1	1500 1500	1279	1 2			1
NGC5139			45.9				F0C/96	IMAGE	512X1Ø24	F43ØW F48ØLP		1	1500	1279 1279				2
NGC5139			45.9				F0C/98	IMAGE	512X1Ø24	F48ØLP		1 1	1500	1279	1 2			1 2
NGC5139			45.9				F0C/96	IMAGE	512X1Ø24	F555W,		i	1320	1279	1	PAR		_
NGC5139-OUTER			45.9				WFC	IMAGE	ALL	F785LP		1	1320	1279	_	PAR		3
NGC5139-OUTER			45.9				WFC PC	IMAGE IMAGE	ALL ALL	F439W	4385	1	500	1053	1 2	ACQ		3 1
NGC5139			16.1				PC	IMAGE	ALL	F336W	3363	i	500	1053	2	ACQ		1
NGC5139			16.1				PC	IMAGE	ALL	F656N	6559	i	500	1053	2	ACQ		-
NGC5139			16.1 16.1				FOS/RD	ACQ/BINA	4.3	MIRROR	0353	i	1	1053	2	ACQ	CON	1 1
NGC5139-OFFSET NGC5139-STAR							FOS/RD	ACCUM	Ø.3	PRISM		i	5øø	1053	2	CON	CON	1
NGC5139-STAR							FOS/RD	ACCUM	Ø.3	PRISM		i	1000	1053	2	CON		i
NGC5139-STAR						28*	FOS/RD	ACCUM	Ø.3	G57ØH		ī	3500	1053	2	CON		i
NGC5194-1/4			44.5	47			WFC	IMAGE	ALL	F284W		î	300	1073	2	COIT		ī
NGC5194-1/4			44.5	47		53	WFC	IMAGE	ALL	F656N		ī	600	1073	2			i
NGC5194-1/4			44.5	47		53	WFC	IMAGE	ALL	F375N		ī	1500	1073	2			î
NGC5194-1/4			44.5	47		53	WFC	IMAGE	ALL	F487N		ī	480	1073	2			ī
NGC5194-1/4			44.5	47	_	53	WFC	IMAGE	ALL	F487N		1	2400	1073	2			ī
NGC5194-1/4			44.5	47		53	WFC	IMAGE	ALL	F5Ø2N		ī	78Ø	1073	2			ī
NGC5194-1/4			44.5	47		53	WFC	IMAGE	ALL	F547M		ī	48Ø	1073	2			ī
NGC5194-OFFSET-STARS						16+	WFC	IMAGE	ALL	F6Ø6W		1	15	1038	ø	ACQ		1
-FIELD				• •											_			_
NGC5194	13 2	29 !	52.1	47	11	49	F0C/96	IMAGE	512X512	F372M	3720	1	9øø	1216	2			1
NGC5194			52.1		11		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	1800	1216	2			1
NGC5194			52.1		11		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	1500	1216	2			1
NGC5194			52.1		11		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	445Ø	1	6300	1216	2			1
NGC5194-NUC			52.5	47	11	47	PC	IMAGE	ALL	F555 <b>W</b>		1	7	1118	2			1
NGC5194-NUC	13 2	29 (	52.5	47	11	47	PC	IMAGE	ALL	F555W		1	70	1118	2			1
NGC5194-NUC	13 2	29 !	52.5	47	11	47	PC	IMAGE	ALL	F555W		1	700	1118	2			1
NGC5194-NUC			52.5	47	11	47	PC	IMAGE	ALL	F785LP		1	7	1118	2			1
NGC5194-NUC	13 2	29 !	52.5	47	11	47	PC	IMAGE	ALL	F785LP		1	7Ø	1118	2			1
NGC5194-NUC	13 2	29 (	52.5	47	11	47	PC	IMAGE	ALL	F785LP		1	7ØØ	1118	2			1
NGC5194			52.7	47	11	43	PC	IMAGE	ALL	F194W		1	9ØØ	1Ø38	Ø	ACQ		1
NGC5194	13 2	29 !	52.7	47	11	43	PC	IMAGE	ALL	F375N		1	9ØØ	1Ø38	Ø	ACQ		1
NGC5194	13 2	29 (	52.7	47	11	43	PC	IMAGE	ALL	F5Ø2N		1	900	1Ø38	Ø	ACQ		1
NGC5194	13 2	29 !	52.7	47	11	43	PC	IMAGE	ALL	F664N		3	3ØØ	1Ø38	Ø	ACQ		1
NGC5194	13 2	29 1	52.7	47	11	43	PC	IMAGE	ALL	F23ØW		1	72Ø	1038	Ø	ACQ		1
NGC5194	13 2	29 !	52.7	47	11	43	PC	IMAGE	ALL	F547M		1	18Ø	1Ø38	Ø	ACQ		1
NGC5194	13 2	29 !	52.7	47	11	43	FOS/BL	ACCUM	Ø.3	G13ØH		1	6ØØ	1Ø38	2	-		1
NGC5194	13 2	29 !	52.7	47	11	43	FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1Ø38	2			1
NGC5194			52.7		11		FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1Ø38	2			1
NGC5194	13 2	29 !	52.7		11		FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1Ø38	2			1

Target	RA (2	2000)	) {	Dec (	(200	Ø)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
NGC5194	13 2	29 52	2.7	47	11	43	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2			1
NGC5194-CLOUD1		29 52					FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1038	2			1
NGC5194-CLOUD1		29 52					FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2			1
NGC5194-CLOUD1		29 52					FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1038	2			1
NGC5194-CLOUD1		29 52					FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1038	2			1
NGC5194-CLOUD1		29 52					FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2			1
NGC5194-CLOUD2		29 52					FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1038	2			1
NGC5194-CLOUD2		29 52					FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2			1
NGC5194-CLOUD2		29 52					FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1038	2			1
NGC5194-CLOUD2		29 52					FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1038	2			1
NGC5194-CLOUD2		29 52					FOS/RD	ACCUM	Ø.3	G57ØH		1 1	3ØØ 3ØØ	1Ø38 1Ø38	2	CEI		1
NGC5194-CLOUD3		29 52					FOS/RD	ACCUM	Ø.3	G27ØH		1	300 300	1038	2	SEL SEL		1
NGC5194-CLOUD3 NGC5194-CLOUD3		29 52 29 52					FOS/RD FOS/RD	ACCUM ACCUM	Ø.3	G4ØØH G57ØH		1	300	1038	2	SEL		1
NGC5194-CLOUD3		29 52					FOS/RD	ACCUM	Ø.3 Ø.3	G57ØH		1	6ØØ	1038	2	SEL		1
NGC5194-CLOUD3		29 52					FOS/BL	ACCUM	Ø.3	G13ØH		ī	600	1038	2	CON	SEI	i
NGC5194-CLOUD3		29 52					FOS/BL	ACCUM	Ø.3	G19ØH		ī	300	1038	2	CON		i
NGC5194-CLOUD4		29 52					FOS/RD	ACCUM	Ø.3	G57ØH		ī	600	1038	2	SEL		ī
NGC5194-CLOUD5		29 52					FOS/RD	ACCUM	Ø.3	G57ØH		ī	600	1038	2	SEL		ī
NGC5194-OFFSET-STAR		9 52					F0S/BL	ACQ/BINA		MIRROR		1	5	1038	2	ACQ		1
NGC5194-OFFSET-STAR		29 52					FOS/RD	ACQ/BINA		MIRROR		1	5	1038	2	ACQ		1
NGC5195-NUC		29 59			15		PC	IMAGE	ALL	F555W		1	14	1118	3	•		1
NGC5195-NUC	13 2	29 59	9.6	47	15	58	PC	IMAGE	ALL	F555W		1	140	1118	3			1
NGC5195-NUC	13 2	29 59	9.6	47	15	58	PC	IMAGE	ALL	F785LP		1	14	1118	3			1
NGC5195-NUC	13 2	29 59	8.6	47	15	58	PC	IMAGE	ALL	F785LP		1	140	1118	3			1
1327-206	13 3	30 7	7.7	-2Ø	56	17	FOS/RD	ACCUM	1.0	G27ØH		1	3000	1267	Ø			1
1327-2Ø6	13 3		7.7				FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		1	3000	1267	2			1
1327-206			7.7				FOS/RD	ACQ/BINA		MIRROR		1	2	1267	Ø	ACQ		1
HD116852		30 23				7 '	HRS	ACCUM	2.0	G14ØM	1100	1	300	1165	2			1
HD116852		30 23					HRS	ACCUM	2.0	ECH-B	237Ø	1	120	1165	2			1
HD116852		30 23					HRS	ACCUM	2.0	ECH-B	2600	1	120	1165	2			1
HD116852		80 23					HRS	ACCUM	2.0	ECH-B	2800	1	120	1165	2			1
HD116852		80 23					HRS	ACCUM	2.0	ECH-B	285Ø	1	120	1165	2			1
HD116852		80 23					HRS HRS	ACCUM	2.0	G16ØM G16ØM	116Ø 154Ø	1 1	18Ø 44	1165 1165	2			1
HD116852 HD116852		8Ø 23 8Ø 23					HRS	ACCUM ACCUM	2.0 2.0	G16ØM	166Ø	1	44	1165	2			1
HD116852		8Ø 23					HRS	ACCUM	2.0	ECH-B	2325	i	120	1165	2			ī
HD116852		8Ø 23					HRS	ACCUM	2.0	ECH-A	1234	ī	300	1165	2			î
HD116852		8Ø 23					HRS	ACCUM	2.0	ECH-A	1241	î	300	1165	2			î
HD116852		80 23					HRS	ACCUM	2.0	ECH-A	1402	ī	180	1165	2			2
HD116852		80 23					HRS	ACCUM	2.0	ECH-A	1353	ī	18Ø	1165	2			ī
HD116852		80 23					HRS	ACCUM	2.0	ECH-A	1361	1	18Ø	1165	2			ī
HD116852		8Ø 23					HRS	ACCUM	2.0	ECH-A	1369	1	18Ø	1165	2			ī
HD116852		SØ 23					HRS	ACCUM -	2.0	ECH-A	1531	1	18Ø	1165	2			1
HD116852	13 3	3Ø 23	3.4	-78	51	19	HRS	ACCUM	2.0	ECH-A	1549	1	18Ø	1165	2			1
HD116852	13 3	3Ø 23	3.4	-78	51	19	HRS	ACCUM	2.0	ECH-B	18Ø8	1	120	1165	2			1
HD116852	13 3	BØ 23	3.4	-78	51	19	HRS	ACCUM	2.0	ECH-B	1854	1	12Ø	1165	2			1
HD116852	13 3	8Ø 23	3.4	-78	51	19	HRS	ACCUM	2.0	ECH-B	2334	1	12Ø	1165	2			1
HD116852	13 3	80 23	3.4	-78	51	19	HRS	WSCAN	2.0	G16ØM	1292	1	396	1165	2			1
INCA221-9Ø		8Ø 53	3.9		32		PC	IMAGE	P8	F658N		1	2	1139	2	CON		2
3C286	13 3		3.3	3Ø		33	PC	IMAGE	ALL	F128LP		1	1416	1032		ACQ		1
3C286	13 3	31 8	3.3	3Ø	3Ø	33	PC	IMAGE	ALL	F85ØLP		1	1416	1032	1	ACQ		1

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Tangat	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec. Req.	Tota Line	
Target	MA (2000)	Dec (2000)	coming.	MOGO	Aper our e	Liemeno	mave.	LXP.	1 11110	10	cy.	wed.	LIII	<b>5</b> 3
3C286	13 31 8.3	3Ø 3Ø 33	FOS/RD	ACCUM	ø.5	G65ØL		1	56Ø	1ø32	1	CON	SEL	1
3C286	13 31 8.3		FOS/RD	ACCUM	Ø.5	PRISM		1	560	1032	1	CON	SFL	ī
3C286	13 31 8.3		FOS/RD	ACQ/BINA		MIRROR		î	4	1032	ī	ACQ		i
	13 31 8.3		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		i	51Ø6	1032	ī	CON		i
30286			FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	5106	1032	î	CON		i
3C286														
3C286	13 31 8.3		FOS/RD		Ø.7X2.Ø-BAR	MIRROR	05.00	1	20	1032	1	ACQ	CON	1
SKY13	13 31 8.3		•	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	_	1416	1032	1	PAR		2
30288	13 31 8.3		FOS/RD	ACCUM	1.0	G16ØL	1675		1000	1193	1			1
3C286	13 31 8.3	· ·	FOS/RD	ACQ/BINA		MIRROR		1		1193	1	ACQ		1
3C286	13 31 8.3		FOS/RD	ACQ/BINA		MIRROR		1	11	1193	2	ACQ		1
3C286	13 31 8.3		FOS/RD	ACCUM	1.0	G19ØH	1943	1	4000	1193	2			1
1328+307INCA221-90	13 31 8.3		PC	IMAGE	P8	F6Ø6W	•	1	3Ø	1139	2			2
1328+307INCA221-90	13 31 8.3	30 30 33	PC	IMAGE	P8	F6Ø6W		1	3Ø	1139	2	CON		2
1328+307INCA221-90	13 31 8.3	30 30 33	PC	IMAGE	P8	F725LP		1	3Ø	1139	2			2
1328+307INCA221-90	13 31 8.3	30 30 33	PC	IMAGE	P8	F725LP		1	6Ø	1139	2	CON		2
3C286	13 31 8.3	30 30 32	WFC	IMAGE	ALL	F517N		1	21Ø	1116	3			1
3C286	13 31 8.3	3Ø 3Ø 32	WFC	IMAGE	ALL	F517N		1	126Ø	1116	3			1
3C286	13 31 8.3	3Ø 3Ø 32	WFC	IMAGE	ALL .	F725LP		1	2000	1116	3			1
3C286	13 31 8.3		WFC	IMAGE	ALL	F725LP		1	25Ø	1116	3			1
3C286	13 31 8.3		F0C/98	IMAGE	512X512	F231M		1	9ØØ	1228	1			1
3C286	13 31 8.3		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		ī
3C286	13 31 8.3		F0C/288	IMAGE	512X512	F37ØLP		ī	600	1228	1			1
3C286	13 31 8.3		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		ī
PG1329+412	13 31 41.1	41 1 59	PC	IMAGE	ALL	F128LP		_	2125	1032	2	ACQ		ī
PG1329+412	13 31 41.1		PC	IMAGE	ALL	F85ØLP			2125	1032	2	ACQ		ī
PG1329+412	13 31 41.1		FOS/RD	ACCUM	Ø.5	G65ØL		ī	84Ø	1032	2	CON	SFI	ī
PG1329+412	13 31 41.1		FOS/RD	ACCUM	Ø.5	PRISM		ī	840	1032	2	CON		ī
PG1329+412	13 31 41.1		FOS/RD	ACQ/BINA		MIRROR		î	6	1032	2	ACQ		i
PG1329+412	13 31 41.1		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL			7659	1032	2	CON		ī
PG1329+412	13 31 41.1		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		î	7659	1032	2	CON		î
PG1329+412	13 31 41.1		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		î	3Ø	1Ø32	2	ACQ		ī
SKY15	13 31 41.1			ACCUM	Ø.7X2.Ø-BAR	G65ØL	65ØØ	i	2125	1032	2	PAR	COIT	2
INCA221-90-AST2	13 31 49.2		FGS	POS	2	F55ØW	CODD	i	2	1139	2	CON	PAR	2
INCA221-90-AST1	13 31 43.2	_	FGS	POS	2	F55ØW		1	30	1139	2	CON		2
INCA221-90-AST1	13 32 8.6		FGS	POS	2	F55ØW		i	6Ø	1139	2	CON		2
1331+17Ø	13 33 35.9		F0C/288	IMAGE	512X512	F342W		1	300	1236	2	COIN	r An	1
	13 33 35.9		WEC	IMAGE	ALL	F375N		i	300	1116	1			1
MC1331+17Ø			WFC	IMAGE	ALL	F375N		1			i			1
MC1331+17Ø	13 33 35.9			DCC	512X1Ø24-FØ.4			_	1800	1116 1275	_			-
HD118Ø98	13 34 41.5		F0C/288	000	512X1024-F0.4 512X1024-F0.4			1	300		2			1
HD118Ø98	13 34 41.5		F0C/288					1	100	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	000	512X1Ø24-FØ.4			1	300	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
HD118Ø98	13 34 41.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
SN1983N	13 36 51.3		F0C/96	IMAGE	512X512	F346M		1	600	1259	2			3
SN1983N	13 36 51.3		F0C/96	IMAGE	512X512	F47ØM		1	600	1259	2			3
SN1983N	13 36 51.3		F0C/96	IMAGE	512X512	F346M		1	6ØØ	1259	3			1
SN1983N	13 36 51.3		F0C/98	IMAGE	512X512	F47ØM		1	600	1259	3			1
NGC5236	13 36 59.2		F0C/96	IMAGE	512X512	F275W		1	900	1056	2	_		1
NGC5238	13 36 59.2	-29 52 4	F0C/288	IMAGE	512X512	F275\		1	1800	1056	2	CON	SEL	1

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Tonget	RA (2000)	Dag (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec. Req.	Total Lines
Target	NA (2000)	Dec (2000)	coming.	WOGO	Aper our e	Licinono	navo.	LAP.	111110	10	cy.	wed.	Lilles
						A . 5 5 1	4===	_			_		
NGC5238	13 36 59.2		F0C/48	SPEC	256X1Ø24-SLIT		4500	1	5400	1056	2	CON S	_
NGC5236		-29 51 58	PC	IMAGE	ALL	F23ØW		1	1000	1041	Ø	ACQ	1
NGC5238		-29 51 58	PC	IMAGE	ALL	F547M		1	200	1041	Ø	ACQ	1
NGC5236		-29 51 58	PC	IMAGE	ALL	F664N		1	1000	1041	Ø	ACQ	1
NGC5238		-29 51 58	FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	1	CON S	
NGC5238	13 37 Ø.8	-29 51 58	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON S	
NGC5236	13 37 Ø.8	-29 51 58	FOS/RD	ACCUM	0.3	G4ØØH		1	200	1041	1	CON S	_
NGC5236		-29 51 58	FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	1	CON S	
NGC5236-OFF	13 37 Ø.8	-29 51 58*	FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	1	CON S	EL 1
NGC5238-OFF	13 37 Ø.8	-29 51 58*	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON S	EL 1
NGC5238-OFF	13 37 Ø.8	-29 51 58*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	1	CON S	EL 1
NGC5236-OFF	13 37 Ø.8	-29 51 58*	FOS/RD	ACCUM	Ø.3	G57ØH		1	2ØØ	1041	1	CON S	EL 1
NGC5236-OFFSET-STAR	13 37 Ø.8	-29 51 58*	FOS/BL	ACQ/BINA		MIRROR		1	5	1041	1	ACQ C	ON 1
NGC5256	13 38 17.5	48 16 37	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4400	1	588Ø	123Ø	2		1
NGC5238-NUC	13 39 48.8	-30 7 5	WFC	IMAGE	ALL.	F439W		1	3Ø	1213	2	ACQ	1
NGC5238-NUC	13 39 48.8	-30 7 5	WFC	IMAGE	ALL	F569W		1	3Ø	1213	2	ACQ	1
NGC5238-NUC	13 39 48.8	-30 7 5	WFC	IMAGE	ALL	F658N		1	60	1213	2	ACQ	1
NGC5236-NUC	13 39 48.8	-30 7 5	WFC	IMAGE	ALL	G45ØL		1	300	1213	2	ACQ	1
NGC5236-NUC	13 39 48.8		WFC	IMAGE	ALL	F23ØW		1	120	1213	2	ACQ	1
NGC5236-NUC	13 39 48.8		WFC	IMAGE	ALL	F284W		1	12Ø	1213	2	ACQ	1
NGC5236-NUC	13 39 48.8		WFC	IMAGE	ALL	F336W		1	120	1213	2	ACQ	1
NGC5236-NUC	13 39 48.8		HRS	ACCUM	2.0	G14ØL	1430	1	36ØØ	1213	3		1
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1530	1	60	1071	2		1
HD118716	13 39 53.4		HRS	WSCAN	Ø.25	ECH-A	1240	1	33	1071	2		1
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1252	1	27	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	15	1071	2		1
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	24	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1334	1	33	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1356	1	57	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1392	1	66	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1558	ī	57	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-B	1826	1	3Ø	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1191	ī	18	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-A	1547	1	69	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-B	1805	ī	27	1071	2		ī
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-B	2024	ī	18	1071	2		î
HD118716		-53 27 58	HRS	WSCAN	Ø.25	ECH-B	2602	ī	24	1071	2		ī
MKN27Ø	13 41 5.8	·	F0C/48	IMAGE	512X512	F18ØLP	2002	ī	600	1228	2	CON	i
MKN27Ø	13 41 5.8		F0C/288	IMAGE	512X512	F32ØW		î	300	1228	2	COIT	i
MKN27Ø	and the second s		F0C/288	IMAGE	512X512	F5Ø2M		ī	6ØØ	1228	2		1
MKN27Ø	13 41 5.8		F0C/288	SPEC	256X1Ø24-SLIT			i	1200	1228	2	CON	1
	13 41 5.8		•	IMAGE	ALL	F555W		i	100	1112	3	CON	
M3-3ØØ-NORTH	13 42 11.1			IMAGE	ALL	F555\\		1					1
M3-300-NORTH	13 42 11.1			_				_	300	1112	3		1
M3-300-NORTH	13 42 11.1	28 27 32*		IMAGE	ALL	F555W		1	1600	1112	3		1
M3-300-NORTH	13 42 11.1			IMAGE	ALL	F785LP		1	100	1112	3		1
M3-300-NORTH	13 42 11.1			IMAGE	ALL	F785LP		1	300	1112	3		1
M3-300-NORTH	13 42 11.1	28 27 32*		IMAGE	ALL	F785LP		1	1600	1112	3		1
M3-1Ø5-NORTH	13 42 11.2			IMAGE	ALL	F555W		1	100	1112	3		1
M3-105-NORTH	13 42 11.2			IMAGE	ALL	F555W		1	600	1112	3		1
M3-105-NORTH	13 42 11.2			IMAGE	ALL	F555W		2	600	1112	3		1
M3-1Ø5-NORTH	13 42 11.2			IMAGE	ALL	F785LP		1	400	1112	3		1
M3-1Ø5-NORTH	13 42 11.2	28 24 17*	WFC	IMAGE	ALL	F785LP		4	400	1112	3		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		ec. Tot Req. Lin	
M3	13 42 11.2	28 22 32	PC	IMAGE	P6	F336W		1	20	1112	3		1
МЗ	13 42 11.2	28 22 32	PC	IMAGE	P6	F336W		1	100	1112	3		1
M3	13 42 11.2	28 22 32	PC	IMAGE	P6	F336W		1	800	1112	3		1
NGC5272	13 42 11.2		PC	IMAGE	ALL	F555W		1	14	1Ø19	2		1
NGC5272	13 42 11.2		PC	IMAGE	ALL	F785LP		1	14	1019	2		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G16ØM	1400	4	300	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G16ØM	1540	4	300	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G16ØM	1250	5	300	1165			1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G14ØL	1320	1	240	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G14ØL	1600	1	240	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G27ØM	2590	1	420	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G27ØM	2800	1	420	1165	1		1
VZ1128	13 42 16.7		HRS	ACCUM	2.0	G16ØM	1319	4	300	1165	1		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	2370	1	60	1165	Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	2600	1	6Ø	1165	Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	2800	1	6Ø	1165	Ø Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	2850	1 1	6Ø 3ØØ	1165 1165	-		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	G14ØM	1100	1	180	1165	Ø		1 1
HD1196Ø8	13 44 31.3 13 44 31.3		HRS HRS	ACCUM ACCUM	2.0	G16ØM G16ØM	116Ø 154Ø	1	44	1165			1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.Ø 2.Ø	G16ØM	1660	i	44	1165	ø		1
HD1196Ø8		-17 56 13	HRS	ACCUM		ECH-B	2325	1	120	1165	ø		1
HD1196Ø8 HD1196Ø8	13 44 31.3		HRS	ACCUM	2.Ø 2.Ø	ECH-A	1402	1	300	1165			ī
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1234	i	300	1165	ø		î
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1353	ī	300	1165	-		ī
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1391	ī	300	1165			ī
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1549	1	300	1165	ø		ī
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	2334	ī	60	1165			ī
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1361	ī	180	1165	Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1369	1	180	1165	Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-A	1531	1	18Ø	1165	Ø		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	ACCUM	2.0	ECH-B	18Ø8	1	120	1165	Ø		1
HD1196Ø8	13 44 31.3		HRS	ACCUM	2.0	ECH-B	1854	1	120	1165	Ø		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	ACCUM	2.0	ECH-A	1241	2	240	1165	Ø		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	2.0	G16ØM	1292	1	396	1165	Ø		1
MKN273	13 44 42.1	55 53 13	F0C/98	IMAGE	512X512	F13ØM		1	600	1228			1
MKN273	13 44 42.1		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228		CON	1
MKN273	13 44 42.1	55 53 13	F0C/288	IMAGE	512X512	F32ØW		1	300	1228			1
MKN273	13 44 42.1	55 53 13	F0C/288	IMAGE	512X512	F5Ø2M		1	600	1228			1
MKN273	13 44 42.1	55 53 13	F0C/288	IMAGE	512X512	F37ØLP		1	300	1228			1
MKN273	13 44 42.1	55 53 13	F0C/48	SPEC	256X1Ø24-SLIT				1200	1228		CON	1
3C289	13 45 26.2		WFC	IMAGE	ALL	F622W			27ØØ	1070			1
3C289	13 45 26.2		WFC	IMAGE	ALL	F85ØLP		1	27ØØ	1070			1
4C26.42	13 48 52.5	•	F0C/98	IMAGE	512X512	F13ØM		1	600	1228			1
4C26.42	13 48 52.5		F0C/96	IMAGE	512X512	F32ØW		1	300	1228			1
4C28.42	13 48 52.5		F0C/96	IMAGE	512X512	F5Ø2M		1	600	1228			1
4C28.42	13 48 52.5		F0C/98	IMAGE	512X512	F37ØLP		1	3ØØ	1228			1
4C26.42	13 48 52.5		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228		CON	1
4C26.42	13 48 52.5		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228		CON	1
IC4329A	13 49 19.3		HSP/UV2	SINGLE	1.0	F14ØLP		1	6Ø	1099			9
IC4329A	13 49 19.3		HSP/UV2	SINGLE	1.0	F14ØLP		1	6Ø	1099			1
IC4329A	13 49 19.3	-30 18 36	HSP/POL	SINGLE	POLØ	F216M		1	6Ø	1Ø99	3		4

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.		
IC4329A	13 49 19 3	3 -3Ø 18 36	HSP/POL	SINGLE	P0LØ	F277M		1	6Ø	1ø99	3		2	,
IC4329A		3 -30 18 36	HSP/UV2	PEAKUP	10.0	F14ØLP		1	6Ø	1099	3	ACQ	1	
IC4329A		3 -30 18 36	HSP/POL	SINGLE	POL45	F216M		1	6Ø	1099	3	AC W		
IC4329A		3 -30 18 36	HSP/POL	SINGLE	POL45	F277M		-	6Ø	1099	3			<del>*</del> 2
IC4329A		3 -30 18 36	HSP/POL	SINGLE	POL9Ø	F216M		1			3			
			HSP/POL					1	6Ø	1099	_		4	•
IC4329A		3 -30 18 36		SINGLE	P0L9Ø	F277M		1	60	1099	3		2	_
IC4329A		3 -30 18 36	HSP/POL	SINGLE	POL135	F216M		1	6Ø	1099	3		4	-
IC4329A		3 -30 18 36	HSP/POL	SINGLE	POL135	F277M		1	60	1099	3		2	_
3C293	13 52 17.8		FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1033	2	CON	- 1	
3C293-FIELD	13 52 17.8	31 26 47	WFC	IMAGE	ALL	F439W	4353	1	15	1033	2	ACQ	CON 1	L
3C293-OFFSET	13 52 17.8			ACQ/BINA		MIRROR		1	11	1033	2	ACQ		
3C293	13 52 17.9		F0C/96	IMAGE	512X512	F13ØM		1		1228	2		1	
3C293	13 52 17.9		F0C/96	IMAGE	512X512	F32ØW		1		1228	2		1	
3C293	13 52 17.9		F0C/96	IMAGE	512X512	F502M		1		1228	2		1	_
3C293	13 52 17.9		F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2		1	L
3C293	13 52 17.9		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1	L
3C293	13 52 17.9		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1	L
1351+640	13 53 15.8	63 45 45	FOS/RD	ACCUM	4.3	G65ØL	6000	1	3Ø	1154	2		1	L
1351+640	13 53 15.8	63 45 45	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1154	2	ACQ	1	L
1351+640	13 53 15.8	63 45 45	FOS/RD	ACCUM	2.Ø-BAR	G65ØL	6000	1	1800	1154	2	-	1	L
1E1352+182Ø	13 54 34.8	18 6 16	WFC	IMAGE	ALL	F725LP		1	10	1116	3		1	L
1E1352+182Ø	13 54 34.8	18 6 16	WFC	IMAGE	ALL	F725LP		1	1700	1116	3		. 1	Ĺ
1E1352+182Ø	13 54 34.8	18 6 16	WFC	IMAGE	ALL	F725LP		1	212	1116	3		1	L
PG1352+183	13 54 35.7	18 5 18	WFC	IMAGE	ALL	F675W		1		1Ø15	2		1	L
PG1352+183	13 54 35.7	18 5 18	WFC	IMAGE	ALL	F7Ø2W	i	1	2000	1Ø15	2		1	Ĺ
PG1352+183	13 54 35.7	18 5 18	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1025	2	ACQ	1	L
PG1352+183	13 54 35.7	18 5 18	FOS/RD	ACQ/BINA	4.3	MIRROR		1		1025	2	ACQ		2
PG1352+183	13 54 35.7	18 5 18	FOS/RD	ACCUM	1.0	G27ØH	2753	1		1025	2	•		1
PG1352+183	13 54 35.7	18 5 18	F0S/BL	ACCUM	1.0	G16ØL	1837	1	120	1025	2			1
PG1352+183	13 54 35.7	18 5 18	FOS/RD	ACCUM	1.0	G19ØH	198ø	1	720	1025	2			1
SKY-BG23	13 54 35.7	18 5 18*	FOS/RD	ACCUM	1.0	G65ØL	6232		2000	1015	ī	PAR		1
SKY-BG26	13 54 35.7		•	ACCUM	1.0	G65ØL	6232		1000	1015	ī	PAR		ī
MKN463	13 56 2.9		F0C/96	IMAGE	512X512	F13ØM	7	ī	600	1228	2			<u>.</u>
MKN463	13 56 2.9		F0C/48	IMAGE	512X512	F18ØLP		ī	600	1228	2	CON		1
MKN463	13 56 2.9		F0C/288	IMAGE	512X512	F32ØW		î	300	1228	2	0011		ī
MKN463	13 56 2.9		F0C/288	IMAGE	512X512	F5Ø2M		ī	600	1228	2			ī
MKN463	13 56 2.9		F0C/288	IMAGE	512X512	F37ØLP		î	300	1228	2			ī
MKN463	13 56 2.9		F0C/48	SPEC	256X1024-SLIT			_	1200	1228	2	CON		1
MRK463	13 56 2.9		PC	IMAGE	ALL	F23ØW								1
	13 56 2.9	:	PC	IMAGE	ALL	F517N			1000	1036	Ø	ACQ		
MRK463			PC	IMAGE	ALL			1	500	1036	Ø	ACQ		1
MRK463				ACCUM		F547M		1	200	1036	Ø	ACQ		1
MRK463	13 56 2.9		FOS/BL		Ø.3	G13ØH		1	600	1036	2			1
MRK463	13 56 2.9		FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2			1
MRK463	13 56 2.9		FOS/RD	ACCUM	Ø.3	G27ØH		1	3ØØ	1036	2			1
MRK463	13 58 2.9		FOS/RD	ACCUM	Ø.3	G4ØØH		1	3ØØ	1Ø36	2			1
MRK463	13 56 2.9		FOS/RD	ACCUM	Ø.3	G57ØH	•	1	300	1036	2			1
MRK463	13 56 2.9		FOS/BL	ACQ/BINA		MIRROR		1	1	1Ø36	2	ACQ		1
MRK463-NUC2	13 56 2.9			ACCUM	Ø.3	G57ØH		1	600	1Ø36	2		,	1
PG1354+213	13 56 32.8		WFC	IMAGE	ALL	F7Ø2W		1	2000	1015	2			1
SKY-BG9	13 56 32.8		FOS/RD	ACCUM	1.0	G65ØL	6232	1	2000	1015	1	PAR		1
1354+195	13 57 4.5	19 19 7	F0C/288	IMAGE	512X512	F342W		1	3ØØ	1236	2			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	Spec. Req.	Total Lines
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F23ØW		1	8Ø	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F23ØW		1	8ØØ	1187	1	ACQ	ĩ
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F336W		1	40	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	.F336 <b>W</b>		1	200	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F439W		1	6Ø	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F569W		.1	10	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F664N		1	200	1187	1	ACQ	1
MK799NUC	14 Ø 45.9		WFC	IMAGE	ALL	G45ØL		1	200	1187	1	ACQ	1
MK799NUC	14 Ø 45.9	59 19 41	WFC	IMAGE	ALL	F675W		1	15	1187	1	ACQ	1
MK799NUC	14 Ø 45.9		HRS	ACCUM	2.0	G14ØL	1300	1	1800	1187	3		1
MK799NUC	14 Ø 45.9		HRS	ACCUM	2.0	G14ØL	155Ø	1	1500	1187	3		1
MK799NUC	14 Ø 45.9		HRS	ACCUM	2.0	G14ØL	1800	1	2100	1187	3		1
MK799HII	14 Ø 47.1		HRS	ACCUM	2.0	G14ØL	1300	1	1800	1187	2		1
MK799HII	14 Ø 47.1		HRS	ACCUM	2.0	G14ØL	1550	1	1500	1187	2		1
MK799HII	14 Ø 47.1		HRS	ACCUM	2.0	G14ØL	1800	1	2100	1187	2		1
MK799HII	14 Ø 47.1		HRS	ACCUM	2.0	G27ØM	2600	1	1019	1187	2		1
NGC5457-NUC	14 3 12.7		PC	IMAGE	ALL	F555W		1	20	1118	2		1
NGC5457-NUC	14 3 12.7		PC	IMAGE	ALL	F555W		1	200	1118	2		1
NGC5457-NUC	14 3 12.7		PC	IMAGE	ALL	F785LP		1	16	1118	2		1
NGC5457-NUC	14 3 12.7		PC	IMAGE	ALL	F785LP		1	160	1118	2		1
NGC5457	14 3 13.2		FOC/98	IMAGE IMAGE	512X512 512X512	F275W F275W		1	9ØØ 18ØØ	1Ø56 1Ø56	2	CON	1
NGC5457 NGC5457	14 3 13.2 14 3 13.2		FOC/288 FOC/48	SPEC	256X1Ø24-SLIT		4500	1 1	5400	1056	2	CON S	
NGC5457 NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F284W	4000	i	300	1073	1	CON	SEL 1
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F656N		1	6ØØ	1073	i		1
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F375N		î	1500	1073	i		1
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F487N		î	48Ø	1073	ī		i
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F487N		ī	2400	1073	ī		i
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F5Ø2N		ī	78Ø	1073	î		i
NGC5457-4	14 3 42.1		WFC	IMAGE	ALL	F547M		1	48Ø	1073	ī		î
NGC5471	14 4 29.1		F0C/96	IMAGE	512X512	F342W		1	900	1257	3		ī
NGC5471	14 4 29.1	– –	F0C/98	IMAGE	512X512	F6ØØM		ī	300	1257	3		ī
NGC5471	14 4 29.1		F0C/98	IMAGE	512X512	F165W		1	3200	1257	3		ī
NGC5471	14 4 29.1		F0C/96	IMAGE	512X512	F437M		1	25ØØ	1257	3		1
NGC5457-1	14 4 29.2	54 23 49	WFC [']	IMAGE	ALL	F284W		1	3ØØ	1073	Ø		1
NGC5457-1	14 4 29.2	54 23 49	WFC	IMAGE	ALL	F487N		1	300	1073	Ø		1
NGC5457-1	14 4 29.2	54 23 49	WFC	IMAGE	ALL	F656N		1	300	1073	Ø		1
NGC5457-1	14 4 29.2	54 23 49	WFC	IMAGE	ALL	F547M		1	300	1Ø73	1		1
NGC5457-1	14 4 29.2	54 23 49	WFC	IMAGE	ALL	F487N		1	2100	1073	Ø		1
NGC5457-1	14 4 29.2		WFC	IMAGE	ALL	F5Ø2N		1	72Ø	1Ø73	Ø		1
NGC5457-1	14 4 29.2		WFC	IMAGE	ALL	F375N		1	1800	1073	1		1
1E1402.3+0416	14 4 51.0		HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1Ø99	1		8
1E14Ø2.3+Ø416	14 4 51.0		HSP/POL	STAR-SKY		F277M		1	66	1099	1		10
1E1402.3+0416	14 4 51.0		HSP/POL	STAR-SKY		F277M		1	66	1099	1		10
1E1402.3+0416	14 4 51.0		HSP/POL	STAR-SKY		F277M		1	66	1099	1		10
1E1402.3+0416	14 4 51.0		HSP/UV2	STAR-SKY		F14ØLP		1	60	1099	1		10
1E1402.3+0416	14 4 51.0		HSP/POL	STAR-SKY		F277M	2525	1	66	1099	1		10
1402+045	14 5 1.2		F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1
NGC5457-OUTER-POS	14 5 10.6		F0C/48	IMAGE	512X512	F195W		1	2900	1238	3		1
NGC5457-OUTER-POS	14 5 10.6		F0C/48	IMAGE	512X512	F43ØW		1	2500	1238	3		1
PG1402+261	14 5 16.2		WFC	IMAGE	ALL	F7Ø2W		1	1000	1015	2	4.00	1
PG14Ø2+261	14 5 16.2	25 55 35	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1025	2	ACQ	1

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Target	RA (	(2000)	) (	Dec (	2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Cy.	Spec. Req.		
PG14Ø2+261	14	5 16	8.2	25	55 35	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1ø25	2	ACQ		2
PG14Ø2+261	14	5 16	8.2		55 35	FOS/RD	ACCUM	1.0	G19ØH	198Ø	ī	900	1025	2			ī
PG14Ø2+261	14	5 16		25		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	600	1025	2			ī
PG1402+261	14	5 16			55 35	FOS/BL	ACCUM	1.0	G16ØL	1837	ī	120	1025	2			i
SKY-BG24	14	5 16			55 35 <b>4</b>		ACCUM	1.0		6232	1	1000	1015	1	PAR		
1404+012P11	14	6 38	_	1	2 54	F0C/96	IMAGE		G65ØL	0232			1244		FAR		1
1404+012P11	14	6 38			2 54	F0C/96		512X512	F342W		1	300		2			1
	14	6 38		1		•	IMAGE	512X512	F43ØW		1	300	1244	2			1
1404+012P11	-			1	2 54	F0C/96	IMAGE	512X512	F5Ø2M		1	600	1244	2			1
INCA221-92	14	6 46		28		FGS	POS	2	F55ØW		1	51	1570	2			4
INCA221-92	14	6 49			29 4	FGS	POS	2	F55ØW		1	51	1570	3			2
INCA221-93	14	6 55			26 16	FGS	POS	2	F5ND		1	51	1570	1			4
INCA221-93	14		5.8		26 16	FGS	POS	2	F5ND		1	51	157Ø	2			2
14Ø4+286INCA221-92	14		Ø.5		27 15	FGS	POS	2	F55ØW		1	51	157Ø	2			6
14Ø4+288INCA221-92	14		Ø.5		27 15	FGS	POS	2	F55ØW		1	51	157Ø	3			3
14Ø4+286INCA221-93	14		Ø.5		27 15	FGS	POS	2	F55ØW		1	51	157Ø	1			6
14Ø4+286INCA221-93	14		Ø.5	28	27 15	FGS	PO\$	2	F55ØW		1	51	157Ø	2			3
POINT1404+286INCA221 -93	14	7 4	4.3	28	38 57	S/C	POINTING	V1			1	Ø	157Ø	1			2
POINT14Ø4+286INCA221 -93	14	7 4	4.3	28	38 57	s/c	POINTING	V1			1	Ø	1570	2			1
POINT14Ø4+286INCA221 -92	14	7 9	9.1	28	38 39	s/c	POINTING	V1			1	Ø	1570	2			2
POINT14Ø4+286INCA221 -92	14	7 9	9.1	28	38 39	s/c	POINTING	V1			1	Ø	1570	3			1
GAL-CLUS-3C295	14	11 29	Ø.5	52	12 8	WFC	IMAGE	ALL	F555W		3	23ØØ	1115	2			1
GAL-CLUS-3C295		11 20		52		WFC	IMAGE	ALL	F7Ø2W		3	2300	1115	2			ī
3C295		11 20			12 10	PC	IMAGE	ALL	F6Ø6W		ĭ	1200	1058	2			ī
3C295		11 26			12 10	F0C/98	IMAGE	512X512	F32ØW		ī	600	1057	2			ī
3C295		11 26			12 10	F0C/96	IMAGE	512X512	F5Ø2M		i	300	1057	2			î
3C295		11 26			12 10	F0C/288	IMAGE	512X512	F32ØW		ī	600	1057	2	CON		î
3C295		11 28			12 10	F0C/48	SPEC	256X1Ø24-SLIT		4500		2000	1057	2	CON		i
3C295		11 20			12 10	F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ	CON	i
3C295		11 20		52		F0C/96	IMAGE	512X512	F5Ø2M	4939	i	1800	1243	2	ACQ	CON	î
3C295		11 28		52		F0C/96	IMAGE	512X512 512X512	F55ØM	5459	_	2600	1243	. 2			1
NGC55Ø8		13 14			12 22	F0C/96	IMAGE	512X512 512X512		and the second s			1227	2			i
NGC55Ø6		13 14			12 22	F0C/96	IMAGE		F5Ø1N	5010	1	400		2			
NGC55Ø6		13 14		-3		F0C/48	SPEC	512X512	F55ØM	547Ø	1	400	1227				1
NGC55Ø6		13 14			12 22		SPEC	256X1Ø24-SLIT		4450	1	600	1227	2			1
PG1411+442				-3 44		F0C/48		256X1Ø24-SLIT		4450	1	400	1227	2	4.00		1
		13 48			Ø 13	PC	IMAGE	ALL	F128LP		1	7Ø8	1032	2	ACQ		1
PG1411+442		13 48		44	Ø 13	PC	IMAGE	ALL	F725LP		1	7Ø8	1032	2	ACQ	<b></b>	1
PG1411+442		13 48		44	Ø 13	FOS/RD	ACCUM	Ø.5	G65ØL		1	28Ø	1032	2	CON		1
PG1411+442	14	13 48	5.3	44	Ø 13	FOS/RD	ACCUM	Ø.5	PRISM		1	28Ø	1032	2	CON	SEL	1
PG1411+442	14	13 48	8.3	44	Ø 13	FOS/RD	ACQ/BINA	4.3	MIRROR		1	2	1ø32	2	ACQ	CON	1
PG1411+442	14	13 48	8.3	44	Ø 13	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		1	2553	1Ø32	2	CON	SEL	1
PG1411+442		13 48		44	Ø 13	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		ī	2553	1032	2		SEL	ī
PG1411+442	14	13 48	8.3	44	Ø 13	FOS/RD	ACQ/PEAK	Ø.7X2.Ø-BAR	MIRROR		1	10	1ø32	2	ACQ	CON	1
SKY16	14	13 48	8.3	44	Ø 13±	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	7Ø8	1Ø32	2	PAR		2
HD124897		15 39			1Ø 57	HRS	ACCUM	2.0	G14ØM	1340	1	700	1178				1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centra! Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
HD124897	14 15 39.9	19 1Ø 57	HRS	ACCUM	2.0	G14ØM	138ø	1	7ØØ	1178	3			1
HD124897	14 15 39.9		HRS	ACCUM	2.0	G14ØM	1300	ĩ	140	1178	3			ī
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G2ØØM	1900	ī	25Ø	1178	3			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G2ØØM	1815	1	8Ø	1178	3			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G14ØL	1342	1	25Ø	1178	3			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G14ØL	16Ø8	1	25Ø	1178	3			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G14ØM	1216	ī	250	1178	3			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G2ØØM	1655	1	55	1195	1			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G14ØL	1314	1	354	1195	1			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	2.0	G2ØØM	1994	1	468	1195	1			1
HD124897	14 15 39.9	19 10 57	HRS	ACCUM	Ø.25	ECH-B24	2327	1	684	1195	1			1
HD124897	14 15 39.9	19 10 57	HRS	WSCAN	Ø.25	ECH-B21	2651	1	984	1195	1			1
HD124897	14 15 39.9		HRS	WSCAN	Ø.25	ECH-B22	26Ø3	_	1200	1195	1			1
HD124897	14 15 39.9		HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	27	1195	1			1
Q1413+117	14 15 48.3		FOS/RD	ACCUM	1.0	PRISM		ĩ	300	1146	2			1
Q1413+117	14 15 46.3		FOS/BL	ACQ/BINA		MIRROR		1	11	1146	2	ACQ		1
Q1413+117	14 15 46.3		FOS/RD	ACQ/BINA		MIRROR		ī	11	1146	2	ACQ		1
Q1413+117	14 15 46.3		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	600	1146	2			ī
HD125162	14 16 22.9		F0C/288	OCC	512X1Ø24-FØ.4			ī	300	1275	2			ī
HD125162	14 16 22.9		F0C/288	OCC	512X1Ø24-FØ.4			ī	100	1275	2			ī
HD125162	14 16 22.9		F0C/288	occ	512X1Ø24-FØ.4			ī	300	1275	2			ī
HD125162	14 16 22.9		F0C/288	OCC	512X1Ø24-FØ.4			ī	300	1275	2			ī
3C296-FIELD	14 16 51.9		WFC	IMAGE	ALL	F439W	4353	ī	15	1033	2	ACQ C		ī
			•					-			_			_
3C296	14 16 52.9	10 48 27	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1Ø33	2	CON		1
3C296	14 16 52.9	10 48 27	F0C/96	IMAGE	512X512	F37ØLP	4040	1	300	1033	Ø			1
3C296	14 16 52.9		F0C/98	IMAGE	512X512	F32ØW	3251	1	300	1033	Ø			1
3C296-OFFSET	14 16 52.9			ACQ/BINA	4.3	MIRROR		1	11	1033	2	ACQ C	CON	1
NGC5548	14 17 59.6		HRS	ACCÜM	2.0	G16ØM	157Ø	1	9ØØ	1156	2			3
NGC5548	14 17 59.8	25 8 12	HRS	ACCUM	2.0	G14ØL	159Ø	1	138Ø	1170	1			1
NGC5548	14 17 59.8		HRS	ACCUM	2.0	G2ØØM	1885	1	240	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G27ØM	2905	1	18Ø	1170	1			1
NGC5548	14 17 59.8		HRS	ACCUM	2.0	G27ØM	2945	1	18Ø	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G27ØM	2865	1	120	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G2ØØM	1923	1	240	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G2ØØM	1959	1	240	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G2ØØM	1997	ī	240	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G27ØM	2749	1	120	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G27ØM	2789	1	120	1170	1			1
NGC5548	14 17 59.8		HRS	ACCUM	2.0	G27ØM	2829	1	12Ø	1170	1			1
NGC5548	14 17 59.6		HRS	ACCUM	2.0	G14ØL	1315	1	1Ø19	1170	1			1
NGC5548	14 17 59.6		F0C/98	IMAGE	512X512	F5Ø2M	495Ø	ī	600	1227	1			1
NGC5548	14 17 59.6		F0C/96	IMAGE	512X512	F5Ø1N	5010	1	600	1227	1			1
NGC5548	14 17 59.8		F0C/98	IMAGE	512X512	F55ØM	5470	ī	600	1227	1			1
NGC5548	14 17 59.6		F0C/48	SPEC	256X1Ø24-SLIT		3 <b>.</b>	ī	600	1227	2			ī
NGC5548	14 17 59.6		F0C/48	SPEC	256X1Ø24-SLIT		445Ø	ī	600	1227	2			ī
DEEP-SURVEY-FIELD-2	14 18 Ø.1		WFC	IMAGE	ALL	F6Ø6W			2300	1111	ī			ī
DEEP-SURVEY-FIELD-2	14 18 Ø.1		WFC	IMAGE	ALL	F725LP			2300	1111	ī			ī
DEEP-SURVEY-FIELD-2	14 18 Ø.1		F0C/48	IMAGE	512X1Ø24	F275W			2200	1111	ī	PAR		ī
DEEP-SURVEY-FIELD-2	14 18 Ø.1		F0C/48	IMAGE	512X1Ø24	F43ØW			2200	1111	ī	PAR		i
PG1416-129		-13 10 45	PC PC	IMAGE	ALL	F128LP		1	7Ø8	1032	2	ACQ		1
PG1416-129		-13 10 45	PC	IMAGE	ALL	F725LP		i	7Ø8	1032	2	ACQ		ī
1 91410-159	14 10 3.0	10 10 70		T1111 1.00				-	. 20	1002	-			-

Target	RA (2000)	Inst. Dec(2000) Config	Operating . Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		<u>.</u>	Total Lines
PG1418-129 PG1418-129		3 -13 10 45 FOS/RD 3 -13 10 45 FOS/RD	ACCUM ACCUM	Ø.5 Ø.5	G65ØL PRISM		1		1Ø32 1Ø32	2 2	CON SEL	_
PG1416-129	14 19 3.8	3 -13 10 45 FOS/RD	ACQ/BIN/	4.3	MIRROR		1	2	1032	2	ACQ CON	۱ 1
PG1418-129 PG1418-129		3 -13 10 45 FOS/RD 3 -13 10 45 FOS/RD	ACCUM ACCUM	Ø.7X2.Ø-BAR Ø.7X2.Ø-BAR	G65ØL PRISM				1Ø32 1Ø32	2 2	CON SEL	
PG1416-129	14 19 3.8	3 -13 10 45 FOS/RD	ACQ/PEAR	Ø.7X2.Ø-BAR	MIRROR		1	10	1032	2	ACQ CON	1
SKY17 3C298 3C298 3C298 3C298 3C298 3C298 2C298 2C298 2C298 2C31417-62 TON202 TON202 TON202 B21425+267 B21425+267 B21425+267 B21425+267 PG1427+480 SKY-BG25 PROXIMA-CENTAURI PROXIMA-CENTAURI PROXIMA-CENTAURI PROXIMA-CENTAURI GLIESE551 SLIESE551 GLIESE553 SLIESE551 SL	14 19 3.8 14 19 8.8 14 19 8.8 14 19 8.8 14 19 8.8 14 21 12.8 14 27 35.7 14 27 35.7 14 27 35.7 14 27 35.7 14 27 35.7 14 29 43.1 14 29 45.6 14 29 51.6 14 29 51.6	3 -13 10 45* FOS/RD 6 28 35 FOC/28 7 26 32 15 FOC/98 7 26 32 15 FOC/98 7 26 32 14 WFC 7 26 32 14 FOC/98 8 -62 40 40 FGS 8 -62 40 40 FGS 8 -62 40 40 FGS 8 -62 40 59 FGS 8 -	ACCUM IMAGE 8 IMAGE 8 IMAGE SPEC 1 SINGLE	Ø.7X2.Ø-BAR 512X512 512X512 512X512 256X1Ø24-SLIT 1.Ø 512X512 256X1Ø24-SLIT ALL ALL ALL ALL 1.Ø PRIME	G65ØL F18ØLP F3Ø7M F43ØW GRAT-PRISM F135W F43ØW F342W	6500 6232 1360 1360 2753 4013		708 600 300 1200 1800 1800 1700 2000 1700 22000 52 52 52 52 52 52 100 100 1100 1	1032 1032 1228 1228 1228 1228 1234 1116 1116 1116 1116 1015 1015 1005 1005	2 2222210212222101010120120022112221	PAR CON	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S4-1435+638 S4-1435+638 S4-1435+638 S4-1435+638 S4-1435+638 S4-1435+638 S4-1435+638 SKY1Ø	14 36 45.6 14 36 45.6 14 36 45.6 14 36 45.6 14 36 45.6 14 36 45.6 14 36 45.6	3 63 36 38 PC 3 63 36 38 FOS/RD 3 63 36 38 FOS/RD	IMAGE ACCUM ACCUM ACQ/BIN/ ACCUM ACCUM	ALL Ø.5 Ø.5	F85ØLP G65ØL PRISM MIRROR G65ØL PRISM MIRROR G65ØL	6500	1 1 1 1 1 1 1 1 1 1 1 1	2125 84Ø 84Ø 6 7659 7659 3Ø	1032 1032 1032 1032 1032 1032 1032 1032	1 2 2 2 2 2 2 1	ACQ CON SEI CON SEI ACQ CON CON SEI CON SEI ACQ CON PAR	1 1 1 1 1 1

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Target	RA (2000) De	ec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD128621	14 39 35.2 -6	3Ø 5Ø 16	PC	IMAGE	ALL	F631N		4	500	1Ø62	1		<b>4</b>
HD128621	14 39 35.2 -6	80 50 16	PC	IMAGE	ALL	F889N		4	260	1062	1		4
HD128621	14 39 35.2 -6	80 50 16	PC	IMAGE	ALL	F122M F889N		1	1	1062	1		2
HD128621	14 39 35.2 -6	80 50 16	PC	IMAGE	ALL	F122M F889N		1	1	1062	1	ACQ	1
HD12862Ø	14 39 48.8 -6	80 50 7	HRS	ACCUM	Ø.25	ECH-B2Ø	2800	1	28Ø	1175	Ø	•	1
HD12862Ø	14 39 48.8 -6	8Ø 5Ø 7	HRS	ACCUM	Ø.25	ECH-B22	2600	1	560	1175	Ø		1
HD12862Ø	14 39 48.8 -6	5Ø 5Ø 7	HRS	ACCUM	Ø.25	ECH-A46	1213	1	256Ø	1175	Ø		1
HD128621	14 39 48.8 -6	8Ø 5Ø 7	HRS	ACCUM	Ø.25	ECH-B2Ø	2800	1	400	1175	Ø		1
HD128621	14 39 48.8 -6	SØ 5Ø 7	HRS	ACCUM	Ø.25	ECH-B22	2600	1	800	1175	Ø		1
HD128621	14 39 48.8 -6	SØ 5Ø 7	HRS	ACCUM	Ø.25	ECH-A46	1213	1	344Ø	1175	Ø		1
MRK477	14 40 38.1	53 3Ø 16	PC	IMAGE	ALL	F23ØW		1	1000	1036	Ø	ACQ	1
MRK477	14 40 38.1	53 3Ø 16	PC	IMAGE	ALL	F517N		1	500	1Ø36	Ø	ACQ	1
MRK477	14 40 38.1	53 3Ø 16	PC	IMAGE	ALL	F547M		1	200	1Ø36	Ø	ACQ	1
MRK477	14 40 38.1	53 3Ø 16	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø36	2		1
MRK477	14 40 38.1	53 30 16	FOS/BL	ACCUM	Ø.3	G19ØH		1	3ØØ	1Ø36	2		1
MRK477	14 40 38.1	53 3Ø 16	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1Ø36	2		1
MRK477		53 3Ø 16	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1Ø36	2		1
MRK477		53 30 16	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1Ø36	2		1
MRK477		53 30 16	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1036	2	ACQ	1
MRK477-CLOUD1		53 3Ø 16*		ACCUM	Ø.3	G57ØH		1	6ØØ	1036	2	CON	1
HD129174		16 25 8	HRS	ACCUM	Ø.25	ECH-A	1362	1	321	1182	2		1
HD129174		16 25 6	HRS	ACCUM	Ø.25	ECH-B	1942	1	167	1182	2		1
NGC5728	14 42 23.9 -1		F0C/96	IMAGE	512X512	F152M	1500	1	300	1223	2		2
NGC5728	14 42 23.9 -1		F0C/98	IMAGE	512X512	F152M	1500	1	600	1223	2		· 1
NGC5728	14 42 23.9 -		F0C/96	IMAGE	512X512	F140M	139Ø	1	300	1223	2		1
NGC5728	14 42 23.9 -1		F0C/96	IMAGE	512X512	F140M	1390	1	900	1223	2		1
NGC5728		17 15 11	F0C/96	IMAGE	512X512	F17ØM	1760	1	3ØØ	1223	2		1
NGC5728	14 42 23.9 -1		F0C/96	IMAGE	512X512	F17ØM	176Ø	1	900	1223	2	1.22	1
3C3Ø3Q		52 1 37	FOS/BL	ACQ/BINA		MIRROR		1	22	1039	2	ACQ	3
3C3Ø3Q		52 1 37	FOS/BL	ACQ/BINA		MIRROR		1	39	1039	2	ACQ	1
3C3Ø3Q		52 1 37	FOS/BL	ACQ/BINA		MIRROR		1	33	1039	2	ACQ	1
3C3Ø3		52 1 37	F0C/96	IMAGE	512X512	F48ØLP			1740	1058	2		1
3C3Ø3H		52 1 33	FOS/BL	ACCUM	1.0	PRISM	3500		1600	1039	2		1
3C3Ø3H		52 1 33	FOS/BL	ACCUM	1.0	G16ØL	1600		16ØØ	1039	2		1
3C3Ø3G		52 1 39	FOS/BL	ACCUM	1.0	PRISM	3500		28ØØ	1039	2		1
3C3Ø3G		52 1 39	FOS/BL	ACCUM	1.0	G16ØL	1600		2800	1039	2		1
3C3Ø3-FIELD		52 1 37	WFC	IMAGE	ALL	F336W			2400	1039	2	ACQ	1
3C3Ø3-FIELD		52 1 37	WFC	IMAGE	ALL	F439W			1200	1039	2	ACQ	1
3C3Ø3-FIELD		52 1 37	WFC	IMAGE	ALL	F569W			1200	1039	2	ACQ	1
3C3Ø3-ARM		52 1 37	FOS/BL	ACCUM	1.0	PRISM	3500		1600	1039	2		1
3C3Ø3-ARM		52 1 37	FOS/BL	ACCUM	1.0	G16ØL	1600		1600	1039	2		1
3C3Ø3		52 1 39	WEC	IMAGE	ALL	F725LP		1	5Ø	1116	1		1
3C3Ø3		52 1 39	WFC	IMAGE	ALL	F725LP			1700	1116	1		1
3C3Ø3		52 1 39	WFC	IMAGE	ALL	F725LP	2500	1	212	1116	1		1
3C3Ø3		52 1 38	FOS/BL	ACCUM	Ø.5	PRISM	35ØØ		1600	1039	2		1
3C3Ø3		52 1 38	FOS/BL	ACCUM	0.5	G16ØL	1600		1600	1039	2		1
3C3Ø3-JET		52 1 37	FOS/BL	ACCUM	1.0	PRISM	3500		2400	1039	2		1
3C3Ø3-JET		52 1 37	FOS/BL	ACCUM	1.0	G18ØL	1600		2400	1039	2		1
1442+102	14 45 16.5	9 58 36	F0C/98	IMAGE	512X512	PRISM1	3575 3575	1	900	1235	Ø		1
1442+102	14 45 18.5	9 58 36	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	1		1
1442+101	14 45 16.5	9 58 36	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	5Ø	1027	Ø		2
1442+101	14 45 16.5	9 58 36	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	1800	1027	Ø		1

Fi	xed	Tar	gets
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Target	RA (2000)	Dec (2000)	Inst. O Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
1442+101	14 45 16.5	9 58 36	F0S/BL	ACCUM	ø.5	G16ØL	165Ø	1	5ø	1ø27	ø			2
1442+1Ø1	14 45 18.5	9 58 36	FOS/BL	ACCUM	Ø.5	G16ØL	1650		1000	1027	ø			ī
1442+1Ø1	14 45 16.5		FOS/BL	ACCUM	Ø.5	G13ØH	1300	_	6400	1027	2	CON		ī
1442+101	14 45 16.5	9 58 36	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	4800	1027	2	CON		1
1442+101	14 45 16.5		FOS/RD	ACCUM	Ø.5	G27ØH	2700	_	1600	1027	2	CON		1
1442+101	14 45 16.5	9 58 36	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1027	ø	ACQ		ī
1442+1Ø1	14 45 16.5	9 58 36	F0S/RD	ACQ/BINA		MIRROR		1	11	1027	Ø	ACQ		ī
1442+101	14 45 16.5	9 58 36	FOS/BL	ACQ/BINA		MIRROR		ī	17	1027	2	ACQ	CON	ī
1442+1Ø1	14 45 16.5	9 58 36	FOS/RD	ACQ/BINA	4.3	MIRROR		1	17	1027	2	ACQ		1
1442+101	14 45 16.5	9 58 36	F0C/288	IMAGE	512X512	F342W		1	300	1236	2	•		1
1442+101	14 45 16.5	9 58 37	WFC	IMAGE	ALL	F6Ø6W		1	3000	1045	1	ACQ	CON	1
1442+101	14 45 16.5	9 58 37	FOS/RD	ACQ/BINA	4.3	MIRROR		1	26	1045	2	ACQ		2
1442+101	14 45 18.5	9 58 37	FOS/RD	ACQ/BINA	4.9	MIRROR			00	1045	_	SEL	CON	
1442+101		9 00 31	**					1	26	1045	2	ACQ SEL	CUN	1
FJ1083-15	14 45 52.6	-14 34 34	WFC	IMAGE	ALL:	F569W		1	Ø	1083	3	ACQ		2
FJ1083-15	14 45 52.6	-14 34 34	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3			2
PG1444+4Ø7	14 46 46.0	40 35 6	WFC	IMAGE	ALL	F7Ø2W		1	400	1Ø15	1			1
PG1444+4Ø7	14 46 46.0	40 35 6	WFC	IMAGE	ALL	F7Ø2W		1	1600	1015	1			1
SKY-BG1Ø	14 46 46.0	40 35 6*	•	ACCUM	1.0	G65ØL	6232	1	2000	1Ø15	1	PAR		1
HD13ØØ95	14 46 51.3	-27 14 55	HRS	ACCUM	Ø.25	G16ØM	1561	1	900	1182	Ø			1
HD13ØØ95		-27 14 55	HRS	ACCUM	Ø.25	G2ØØM	1931	1	710	1182	Ø			1
HD13ØØ95	14 46 51.3	-27 14 55	HRS	ACCUM	Ø.25	G2ØØM	1744	1	1040	1182	Ø			1
HD13ØØ95		-27 14 55	HRS	ACCUM	Ø.25	G16ØM	1412	1	1555	1182	Ø			1
HD13ØØ95		-27 14 55	HRS	ACCUM	Ø.25	G16ØM	1488	1	1Ø95	1182	Ø			1
HD13ØØ95		-27 14 55	HRS	ACCUM	Ø.25	G16ØM	1357	1	2345	1182	Ø			1
HD13ØØ95		-27 14 55	HRS	ACCUM	Ø.25	G16ØM	1652	1	1364	1182	Ø			1
3C3Ø5	14 49 21.6		F0C/96	IMAGE	512X512	F13ØM		1		1228	1			1
3C3Ø5	14 49 21.6		F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2			1
3C3Ø5	14 49 21.6		F0C/96	IMAGE	512X512	F37ØLP		1	600	1228	1			1
3C3Ø5	14 49 21.6		F0C/48	IMAGE	512X512	F18ØLP		1		1228	2	CON		1
3C3Ø5	14 49 21.6		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		1
3C3Ø5	14 49 21.7		F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	600	1227	2			1
3C3Ø5	14 49 21.7		F0C/48	SPEC	256X1Ø24-SLIT		1000	1	700	1227	2			1
HD131156	14 51 23.4		HRS	ACCUM	SC2	G16ØM	1360	1	10	1159	2	CAL		1
HD131156	14 51 23.4		HRS	RAPID	2.0	G16ØM	136Ø			1159	2	0011		1
3C309.1	14 59 7.6		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C309.1	14 59 7.6		F0C/288	IMAGE	512X512	F32ØW		1	300	1228	2	601		1
3C3Ø9.1	14 59 7.6		F0C/48	SPEC IMAGE	256X1Ø24-SLIT 512X512	F32ØW			1200	1228	2	CON		1
NGC5813	15 1 11.2		F0C/96	IMAGE	512X512 512X512			1	600	1057	2			1
NGC5813	15 1 11.2		F0C/98	IMAGE	512X512 512X512	F502M		1	300	1057	2	CON		1
NGC5813	15 1 11.2		F0C/288			F32ØW	4500	1.	600	1057	2	CON		1
NGC5813	15 1 11.2		F0C/48	SPEC IMAGE	256X1024-SLIT 128X128-ASLIT		4500		2000	1057	2	CON	CON	1
NGC5813	15 1 11.2		FOC/48 PC	IMAGE			3920	1	100	1057	2	ACQ	CUN	1
NGC5813-NUC	15 1 11.2		PC	IMAGE	ALL ALL	F785LP		1	57	1118	3			1
NGC5813-NUC	15 1 11.2		PC	IMAGE	ALL	F785LP		1	57Ø	1118	3			1
NGC5813-NUC	15 1 11.2		PC	IMAGE	ALL	F555W		1	79 707	1118	3			1
NGC5813-NUC	15 1 11.2 15 2 54.3		WFC	IMAGE	ALL.	F555W		1	797	1118	3			1
4U1458-41 4U1458-41		-41 55 45	WFC	IMAGE	ALL	F336W F7Ø2W			1200	1098	2	400		1
		-41 55 45		SINGLE				_	1200	1098	2	ACQ		1
4U1458-41	15 2 54.3	-41 55 45	HSP/VIS	STIME	Ø.4	F16ØLP		1	1200	1098	2	CON		2

Target	RA	(200	<b>7</b> 0)	Dec	(20	ØØ)	Inst. Config.	Operating Mode	Apertur <del>e</del>	Spectrai Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	·	Tota Line	
4U1458-41	15	2	54.3	-41	55	45	FOS/RD	ACCUM	Ø.3	G65ØL	6000	1	1800	1098	2	CON		1
NGC5824	15	3	54.1	-33	3	48	PC '	IMAGE	ALL	F439W	4385	1	500	1053	2	ACQ		1
NGC5824	15	3			3	48	PC	IMAGE	ALL	F336W	3363	1	500	1053	2	ACQ		1
NGC5824	15	3	54.1			48	PC	IMAGE	ALL	F656N	6559	1	500	1053	2	ACQ		ī
NGC5824-OFFSET	15		54.1			48	F0S/RD	ACQ/BIN		MIRROR		1	1	1053	2	ACQ CO	N	1
NGC5824-STAR	15	_	_				FOS/RD	ACCUM	Ø.3	PRISM		1	500	1053	2	CON		ī
NGC5824-STAR	15						F0S/RD	ACCUM	Ø.3	PRISM		1	1000	1053	2	CON		ī
NGC5824-STAR	15	3	54.1			48*	FOS/RD	ACCUM	Ø.3	G57ØH		1	3500	1053	2	CON		ĩ
URSA-MINOR-150812+67		8			12		WFC	IMAGE	ALL	F555W		1	200	1110	2			1
2300		_	-	٠.			•								- 7			_
URSA-MINOR-15Ø812+67	15	8	32.5	67	12	22	WFC	IMAGE	ALL	F555W		1	2000	1110	2			1
2300				٠.			•	2				-			_			-
URSA-MINOR-15Ø812+67	15	8	32.5	67	12	22	WFC	IMAGE	ALL	F785LP		1	200	1110	2			1
2300		•		٠.								-			_			-
URSA-MINOR-15Ø812+67	15	8	32.5	67	12	22	WFC	IMAGE	ALL	F785LP		1	1700	1110	2			1
2300		•		٠.								-			_			-
POINT1510-089INCA221	15	12	2.8	-9	4	40	S/C	POINTIN	G V1			1	Ø	157Ø	1			1
-103				•	•		<b>5,5</b>						_		-			-
POINT1510-089INCA221	15	12	2.8	-9	4	40	S/C	POINTIN	G V1			1	Ø	157Ø	2			1
-103					•		<b>5,</b> 5					_	-		_			_
INCA221-1Ø3	15	12	25.4	-9	15	43	FGS	POS	2	F583W		1	51	157Ø	1			2
INCA221-103			25.4	-9			FGS	POS	2	F583W		1	51	1570	2			2
PKS151Ø-Ø89			5Ø.5	-9		Ø	PC	IMAGE	ĀLL	F128LP		1	7Ø8	1032	2	ACQ		ī
PKS151Ø-Ø89			50.5	-9	_	ø	PC	IMAGE	ALL	F725LP		1	7Ø8	1032	2	ACQ		1
PK\$151Ø-Ø89			5Ø.5	-9	_	ø	FOS/RD	ACCUM	Ø.5	G65ØL		1	28Ø	1Ø32	2	CON SE	-L	ī
PKS151Ø-Ø89			5Ø.5	-9	_	Ø	F0S/RD	ACCUM	Ø.5	PRISM		1	28Ø	1032	2	CON SE		1
PKS151Ø-Ø89			50.5	-9	_	Ø	FOS/RD	ACQ/BIN		MIRROR		1	2	1032	2	ACQ CO		1
PKS151Ø-Ø89			50.5	-9	_	ø	F0S/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		1	2553	1032	2	CON SE		ī
PKS151Ø-Ø89		_	50.5	-9	_	Ø	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	2553	1032	2	CON SE	EL	1
PKS151Ø-Ø89			5Ø.5	-9	_	ø	F0S/RD		K Ø.7X2.Ø-BAR	MIRROR		1	10	1Ø32	2	ACQ CO		ī
SKY5			50.5	-9	_	Ø÷		ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	7Ø8	1Ø32	2	PAR		2
PKS151Ø-Ø89			50.6	-9	_	Ø	FOS/BL	ACQ/BIN		MIRROR		1	11	1163	2	ACQ		1
PKS151Ø-Ø89			50.6	-9		Ø	F0S/BL	ACCUM	1.0	G27ØH	2766	1	600	1163	2			1
PKS151Ø-Ø89			5Ø.6	-9		Ø	F0S/BL	ACCUM	1.0	G13ØH	1379	1	2100	1163	2			1
PKS1510-089		12		-9	_		FOS/BL	ACCUM	1.0	G19ØH	1944	1	1200	1163	2			1
1510-089INCA221-103	15		29.1	-9			FGS	POS	2	F583W		1	51	1570	1			3
1510-089INCA221-103				-9	5		FGS	POS	2	F583W		1	51	157Ø	2			3
MSH15-52			55.6	-59	8	9	PC	IMAGE	ALL	F7Ø2W		1	1800	1Ø98	2	ACQ		1
MSH15-52			55.6		8	9	HSP/VIS	SINGLE	Ø.4	F16ØLP		1	1200	1Ø98	2	CON		2
MSH15-52			55.6		8	9	FOS/RD	ACCUM	Ø.3	G65ØL	6000	1	1800	1Ø98	2	CON		1
4C37.43	15	14	43.1	36	5Ø	51	F0C/96	IMAGE	512X512	F17ØM		1	600	1228	2			1
4C37.43			43.1	36	5Ø	51	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
4C37.43	15	14	43.1	36	5Ø	51	F0C/288	IMAGE	512X512	F32ØW		1	300	1228	2			1
4C37.43			43.1		5Ø		F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2			1
4C37.43			43.1		50		F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON		1
3C317			44.6	7		18	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1Ø33	2	CON		1
3C317			44.6	7		18	F0C/96	IMAGE	512X512	F37ØLP	4040	1	300	1033	Ø			1
3C317			44.8	7		18	F0C/98	IMAGE	512X512	F32ØW	3251	1	300	1Ø33	Ø			1
3C317-FIELD		16		7			WFC	IMAGE	ALL	F439\	4353	1	15	1Ø33	2	ACQ CC	NC	1
																•		
3C317-OFFSET	15	16	44.6	7	1	18*	FOS/RD	ACQ/BIN	A 4.3	MIRROR		1	11	1Ø33	2	ACQ CE	NC	1
3C317	15	16	48.5	7	1	18	F0C/96	IMAGE	512X512	F152M	1500	1	500	1227	Ø			1

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Target	RA (2000)	Dec (2	ØØØ)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
3C317	15 16 46.	5 7	1 18	F0C/96	IMAGE	512X512	F152M	1500	1	500	1227	1		1
3C317	15 16 46.		1 18	F0C/96	IMAGE	512X512	F5Ø2M	4950	ī	300	1227	ø		ī
3C317	15 16 46.		1 18	F0C/96	IMAGE	512X512	F5Ø2M	4950	ī	500	1227	ĩ		ī
3C317	15 16 46.		1 18	F0C/96	IMAGE	512X512	F55ØM	547Ø	i	300	1227	ø		i
	15 16 46.		1 18	F0C/96	IMAGE					500 500	1227	1		
3C317						512X512	F55ØM	5470	1			_		1
3C317	15 16 46.		1 18	F0C/48	SPEC	256X1Ø24-SLIT			1	500	1227	2		1
3C317	15 16 46.		1 18	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	445Ø	1	500	1227	2		1
POINT1514-241INCA221 -104	15 16 49.	5 -24 2	3 33	s/c	POINTING	V1			1	Ø	157Ø	Ø		1
POINT1514-241INCA221 -104	15 16 49.	5 -24 2	3 33	s/c	POINTING	V1			1	Ø	157Ø	2		1
INCA221-104	15 17 34.	9 -24 2	8 37	FGS	POS	2	F55ØW		1	51	157Ø	Ø		2
INCA221-1Ø4	15 17 34.	9 -24 2	8 37	FGS	POS	2	F55ØW		ī	51	157Ø	2		2
1514-241INCA221-1Ø4	15 17 41.			FGS	POS	2	F55ØW		ī	51	157Ø	ø		3
1514-241INCA221-104	15 17 41.			FGS	POS	2	F55ØW		ī	51	157Ø	2		3
1514-241INCA221-105	15 17 41.	_		FGS	POS	2	F55ØW		î	51	157Ø	ī		3
1514-241INCA221-105	15 17 41.			FGS	POS	2			î	51	157Ø	2		3
AP-LIB	15 17 41.			HSP/UV2	STAR-SKY		F55ØW		_		1099			
AP-LIB	15 17 41.			WFC	IMAGE		F14ØLP		1	6Ø		1		10
				WFC		ALL	F725LP			2000	1116	3		1
AP-LIB	15 17 41.			PC	IMAGE	ALL	F725LP		1	25Ø	1116	3		1
NGC59Ø4	15 18 33.		4 58	PC	IMAGE	ALL	F555W		1	10	1019	2		1
NGC59Ø4	15 18 33.		4 58	* *	IMAGE	ALL	F785LP		1	10	1019	2		1
POINT1514-241INCA221 -105				s/c	POINTING				1	Ø	157Ø	1		1
POINT1514-241INCA221 -105	15 18 33.	8 -24 2	7 9	s/c	POINTING	V1			1	Ø	157Ø	2		1
INCA221-1Ø5	15 18 35.	9 -24 1	5 Ø	FGS	POS	2	F5ND		1	51	157Ø	1		2
INCA221-1Ø5	15 18 35.	9 -24 1	5 Ø	FGS	POS	2	F5ND		1	51	157Ø	2		2
ME2-1	15 22 18.	2 -23 3	7 4Ø	WFC	IMAGE	ALL	F336W		1	200	11Ø8	2		1
ME2-1	15 22 18.	2 -23 3	7 40	WFC	IMAGE	ALL	F439W		1	100	11Ø8	2		1
ME2-1	15 22 18.	2 -23 3	7 40	WFC	IMAGE	ALL	F622W		1	6Ø	11Ø8	2		1
ME2-1	15 22 18.	2 -23 3	7 40	WFC	IMAGE	ALL	F157W		1	420	11Ø8	2		1
ME2-1	15 22 18.	2 -23 3	7 4Ø	WFC	IMAGE	ALL	F284W		1	24Ø	11Ø8	2		1
3C319	15 24 5.			F0C/96	IMAGE	512X512	F48ØLP			1740	1058	2		ī
PG1522+1Ø1	15 24 24.		8 29	FOS/RD	ACCUM	Ø.5	PRISM	3500	ī	300	1026	ø		ī
PG1522+1Ø1	15 24 24.		8 29	FOS/BL	ACCUM	Ø.5	G13ØH	1300	-	4000	1026	ø		ī
PG1522+1Ø1	15 24 24.		8 29	FOS/RD	ACCUM	Ø.5	G19ØH	1900	_	2000	1026	ø		ī
PG1522+1Ø1	15 24 24.		8 29	FOS/RD	ACCUM	Ø.5	G27ØH	2700		2000	1026	ø		ī
PG1522+1Ø1	15 24 24.		8 29	FOS/BL	ACQ/BINA		MIRROR	2100	i	11	1026	ø	ACQ	i
PG1522+1Ø1	15 24 24.			FOS/RD	ACQ/BINA		MIRROR		i	11	1026	ø	ACQ	i
FP1Ø86-4	15 26 4.			HSP/PMT/V		1.0			_	1800	1086	1	ACQ	î
				IS			F75ØW/F32ØN					_		
1525+227	15 27 57.			WFC	IMAGE	ALL	F725LP		1	3Ø	1116	3		1
1525+227	15 27 57.		_	WFC	IMAGE	ALL	F725LP			1700	1116	3		1
1525+227	15 27 57.			WFC	IMAGE	ALL	F725LP		1	212	1116	3		1
HD138629	15 31 46.			F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD138629	15 31 46.	9 40 5	3 58	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD138629	15 31 46.	9 40 5	3 58	F0C/288	OCC	512X1Ø24-FØ.4	F342W POL6Ø		1	300	1275	2		1
HD138629	15 31 46.	9 40 5	3 58	F0C/288	OCC	512X1Ø24-FØ.4	F342W P0L12Ø		1	300	1275	2		1
ARP22Ø	15 34 57.	3 23 3	Ø 12	F0C/96	IMAGE	512X512	F342W		1	300	1244	2		ī
ARP22Ø	15 34 57.		Ø 12	F0C/98	IMAGE		F13ØM		-	1800	1244	1		ī
ARP22Ø	15 34 57.		Ø 12	F0C/96	IMAGE	512X512	F43ØW			1200	1244	1		ī
				•		- <del>-</del>			-			_		_

, , not large to												-	- O- J	•
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota! Lines	
ARP22Ø	15 34 57.3	23 30 12	F0C/96	IMAGE	512X512	F5Ø2M		1	1800	1244	1		1	L
IC4553/4	15 34 57.6	23 3Ø 14	WFC [*]	IMAGE	ALL	F7Ø2W		1	3Ø	1105			ī	
IC4553/4	15 34 57.6		WFC	IMAGE	ALL	F555W		1	3Ø	11Ø5	3		ī	
IC4553/4	15 34 57.8		WFC	IMAGE	ALL	F7Ø2W		1	23Ø	1105	2		1	
IC4553/4	15 34 57.6	23 30 14	WFC	IMAGE	ALL	F7Ø2W		1	1400	1105	2		1	
IC4553/4	15 34 57.6	23 30 14	WFC	IMAGE	ALL	F555W		1	23Ø	1105	3		1	
IC4553/4	15 34 57.6	23 30 14	WFC	IMAGE	ALL	F555W		1	1400	11Ø5	3		. 1	
IC4553/4	15 34 57.6	23 30 14	WFC	IMAGE	ALL	F785LP		1	3Ø	1105	3		1	
IC4553/4	15 34 57.6	23 3Ø 14	WFC	IMAGE	ALL	F785LP		1	23Ø	11Ø5	3		1	
IC4553/4	15 34 57.8	23 30 14	WFC	IMAGE	ALL	F785LP		1	1400	11Ø5	3		1	
NGC5946	15 35 28.5	-50 39 34	F0C/98	IMAGE	512X512	F43ØW		2	600	128Ø	3		1	
NGC5946-OUTER	15 35 28.5	-50 39 34	WFC	IMAGE	ALL	F555W		1	48Ø	128Ø	1	PAR	1	
NGC5946-OUTER	15 35 28.5	-50 39 34	WFC	IMAGE	ALL	F785LP		1	72Ø	128Ø	1	PAR	1	,
MRK486-FIELD	15 36 38.4	54 33 13	WFC	IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ	1	
MRK486	15 36 38.4	54 33 33	FOS/BL	ACCUM	Ø.5	G16ØL	1725	1	1440	1029	2		2	!
MRK486	15 36 38.4	54 33 33	FOS/BL	ACCUM	Ø.5	PRISM	3675		144Ø	1029	2		· 1	
MRK486	15 36 38.4		FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1500	1029	2		1	
MRK486	15 36 38.4		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		1	1	1029	2	ACQ	1	
MRK486	15 36 38.4		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	15ØØ	1Ø29	2		1	
MRK486-OFFSET	15 36 38.4		FOS/BL	ACQ/BINA		MIRROR		1	11	1Ø29	2	ACQ	1	
MRK486-OFFSET	15 36 38.4			ACQ/BINA		MIRROR		1	11	1029	2	ACQ	1	
IZW121	15 36 38.4		PC	IMAGE	ALL	F555W		1	100	1105	1		1	
IZW121	15 36 38.4		PC	IMAGE	ALL	F555W		1	1400	11Ø5	1		1	
HD139ØØ6	15 39 41.2		F0C/288	OCC.	512X1Ø24-FØ.4			1	300	1275	2		1	
HD139006	15 39 41.2		F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1	
HD139006	15 39 41.2		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1	
HD139008	15 39 41.2		F0C/288	0CC	512X1024-F0.4			1	300	1275	2		1	
4U1538-52		-52 23 10	HSP/UV1	PRISM	1.0	F248M/F135W	0.407	1	3000	1091	1		1	
HD14Ø283	15 43 3.0		HRS	ACCUM	Ø.25	G27ØM	2497	2	1800	1064	Ø		1	
3CR323.1	15 47 43.5		HSP/UV2	STAR-SKY	Ø.4-C ALL	F140LP F702W		1	6Ø	1099	1		10	
PG1545+21Ø	15 47 43.6		WEC	IMAGE IMAGE	ALL	F702W		1	400	1015	1		. 1	
PG1545+21Ø	15 47 43.6		WFC WFC	IMAGE	ALL	F785LP		1	1600	1015	1		1	
PG1545+21Ø	15 47 43.6		WFC	IMAGE	ALL	F785LP		1	400	1015	1		1	
PG1545+21Ø SKY-BG11	15 47 43.6 15 47 43.6			ACCUM	1.0	G65ØL	6232	1	1600 2000	1015 1015	1	PAR	1	
SKY-BG15	15 47 43.6 15 47 43.6			ACCUM	1.0	G85ØL	6232	1	2000	1015	1	PAR	1 1	
1546+027INCA221-106	15 49 29.5		PC	IMAGE	P8	F6Ø6W	0232	î	5Ø	1013	1	CON	1	
1546+027INCA221-106	15 49 29.5		PC	IMAGE	P8	F6Ø6W		1	5Ø	1013	2	CON	1	
1546+027INCA221-106	15 49 29.5		PC	IMAGE	P8	F725LP		i	100	1013	1	CON	1	
1546+027INCA221-106	15 49 29.5		PC	IMAGE	P8	F725LP		i	100	1013	2	CON	1	-
INCA221-106-AST1	15 49 42.7	2 24 57	FGS	POS	2	F55ØW		i	5Ø	1013	1	CON P	_	
INCA221-106-AST1	15 49 42.7		FGS	POS	2	F55ØW		i	100	1013	1	CON P		
INCA221-106-AST1	15 49 42.7	2 24 57	FGS	POS	2	F55ØW		î	5Ø	1013	2	CON P		
INCA221-106-AST1	15 49 42.7		FGS	POS	2	F55ØW		ī	100	1013	2	CON P		
3C324	15 49 48.8		WFC	IMAGE	ÄLL	F7Ø2W		i	2700	1070		2011	1	
3C324	15 49 48.8		WFC	IMAGE	ALL	F791W		i	2700	1070	i		ī	-
3C324	15 49 48.8		WFC	IMAGE	ALL	F85ØLP		ī	2700	1070	ī		ī	-
3C324	15 49 48.8		F0C/98	IMAGE	512X512	F342W		ī	2000	1229	2		ī	
3C324	15 49 48.8		F0C/96	IMAGE	512X512	F43ØW		ī	2000	1229	2		ī	
INCA221-1Ø8	15 49 51.6		PC	IMAGE	P8	F658N		1	1	1013		CON	ī	
INCA221-1Ø8	15 49 51.6		PC	IMAGE	P8	F658N		ī	ī	1013	2	CON	ī	
INCA221-1Ø6-AST2	15 50 7.7		FGS	POS	2	F55ØW		1	ī	1013		CON F	AR 1	
		· <del>-</del>									_			

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tot	al
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	. Time	ID	Cy.	Req.	Lin	es
THEADON NEW ACTO	15 50 7 7	0 10 10	500	200		FFFAW			•	1610	_	CONT		
INCA221-108-AST2	15 50 7.7	2 19 43	FGS	POS	2	F55ØW		1		1013	2	CON F	AK	1
MC1548+114A	15 50 43.6	11 20 48	WFC	IMAGE	ANY	F128LP		1	1200	1Ø26	2	ACQ		1
1548+114	15 50 43.7	11 20 48	F0C/288	IMAGE	512X512	F342W		1	300	1236	2			1
MC1548+114A+B	15 50 43.8	11 20 47	F0C/98	IMAGE	512X512	F278M		1	1200	1233	1			1
MC1548+114A+B	15 5Ø 43.8	11 20 47	F0C/48	SPEC	256X1Ø24-SLIT			1	1800	1233	1			1
MC1548+114B	15 50 43.9	11 20 47	FOS/BL	ACCUM	Ø.5	G16ØL	165Ø	1	500	1Ø26	2			1
MC1548+114B	15 5Ø 43.9	11 20 47	F0S/BL	ACQ/BINA		MIRROR		1	28	1026	2	ACQ		1
HD141558	15 5Ø 57.5		HRS	ACCUM	Ø.25	ECH-A	1330	1	420	1182	3			1
HD141558	15 50 57.5		HRS	OSCAN	Ø.25	ECH-A	1650	1		1183	3			1
HD141556	<b>15 5Ø 57.5</b>	-33 37 38	HRS	ACCUM	Ø.25	ECH-A	1335	1		1182	3			1
HD141556	15 5Ø 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-B	3ø35	1	635	1183	3			1
HD141556	15 5Ø 57.5	-33 37 38	HRS	ACCUM	Ø.25	ECH-B	2Ø82	1	9Ø	1182	3			1
HD141556	15 50 57.5	-33 37 38	HRS	ACCUM	Ø.25	ECH-A	1362	1	525	1182	1			1
HD141558	15 50 57.5	-33 37 38	HRS	ACCUM	Ø.25	ECH-A	1649	1	755	1182	1			1
HD141558	15 5Ø 57.5	-33 37 38	HRS	ACCUM	Ø.25	ECH-B	1942	1	175	1182	1			1
HD141558	15 5Ø 57.5		HRS	ACCUM	Ø.25	ECH-B	1739	1	465	1182	1			ī
HD141558	15 50 57.5		HRS	ACCUM	Ø.25	ECH-B	1849	1		1182	· 1			ī
HD141558	15 50 57.5		HRS	ACCUM	Ø.25	ECH-B	2354	1		1182	ī			ī
HD141556	15 50 57.5		HRS	ACCUM	Ø.25	ECH-B	2536	ī		1182	ī			ī
HD141556	15 50 57.5		HRS	ACCUM	Ø.25	ECH-A	1378	ī		1182	3			ī
HD141556	15 50 57.5		HRS	ACCUM	Ø.25	ECH-A	1677	ī		1182	3			ī
HD141556	15 50 57.5		HRS	ACCUM	Ø.25	ECH-B	1783	î		1182	3			ī
HD141556	15 50 57.5		HRS	ACCUM	Ø.25	ECH-B	18Ø1	i		1182	3			i
HD141556					Ø.25	ECH-B	2903	1.		1183	3			i
HD141556	15 50 57.5		HRS	OSCAN				1			3			
	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2916			1183				1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2929	1		1183	3			1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2943	1		1183	3			1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2956	1		1183	3			1
HD141556		-33 37 38	HRS	OSCAN	Ø.25	ECH-B	2969	1		1183	3			1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2982	1		1183	3			1
HD141556		-33 37 38	HRS	OSCAN	Ø.25	ECH-B	2996	1		1183	3			1
HD141558	15 5Ø 57.5		HRS	OSCAN	Ø.25	ECH-B	2876	1		1183	3			1
HD141558	15 50 57.5		HRS	OSCAN	Ø.25	ECH-B	2889	1		1183	3			1
HD141558		-33 37 38	HRS	OSCAN	Ø.25	ECH-B	3009	1	66Ø	1183	3			1
HD141558	15 50 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-B	3Ø22	1	648	1183	3			1
HD141558	15 5Ø 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-A	1658	1	1534	1183	3			1
HD141556	15 50 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-A	1666	1	1539	1183	3			1
HD141558	15 50 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-A	1668	1	1534	1183	3			1
HD141558	15 50 57.5	-33 37 38	HRS	OSCAN	Ø.25	ECH-A	1673	1	1544	1183	3			1
HD141558	15 50 57.5		HRS	OSCAN	Ø.25	ECH-A	1676	1	1534	1183	3			1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-A	1684	1	1534	1183	3			1
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-A	1681	1	1674	1183	3			ī
HD141556	15 50 57.5		HRS	OSCAN	Ø.25	ECH-A	1692	ī	1658	1183	3			ī
HD14286Ø	15 56 27.1	15 39 42	F0C/288	OCC.	512X1Ø24-FØ.4			ī	300	1275	2			ī
HD14286Ø	15 56 27.1	15 39 42	F0C/288	OCC	512X1024-FØ.4			i	100	1275	2			ī
HD14286Ø	15 56 27.1	15 39 42	F0C/288	000	512X1024-F0.4 512X1024-F0.4			i	300	1275	2			i
HD14286Ø			• •	000	512X1024-F0.4 512X1024-F0.4			1	300	1275				1
RU-LUPI	15 56 27.1	15 39 42	F0C/288								2			
	15 58 40.9		F0C/98	IMAGE	512X512	F14ØM		1	600	1263	2			1
RU-LUPI		-37 49 38	F0C/96	IMAGE	512X512	F152M		1	600	1263	2			1
RU-LUPI	15 58 40.9		F0C/96	IMAGE	512X512	F253M		1	600	1263	2			1
RU-LUPI	15 56 40.9		F0C/96	IMAGE	512X512	F278M		1	6ØØ	1263	2			1
RU-LUPI	15 58 40.9	-37 49 38	F0C/96	IMAGE	512X512	F346M		1	300	1263	2			1

			Inst.	Operating		Spectral	Central	No.	Exp.		5	pec.	Total
Target	RA (2ØØØ)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		Time	ID	Cy.		Lines
_			_					•			-		
	45 50 40 0		500/00	T111.00				_			_		_
RU-LUPI		-37 49 38	F0C/98	IMAGE	512X512	F346M F4ND	1000	1	300	1263	2		1
RU-LUPI	15 58 42.3		HRS	ACCUM	2.0	G14ØL	1300	2	9Ø	1209	1		1
RU-LUPI		-38 15 12	HRS	ACCUM	2.0	G14ØL	1550	2	9Ø	1209			1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G27ØM	2800	1	45	1209	1		1
RU-LUPI	_	-38 15 12	HRS	ACCUM	2.0	G14ØL	1800	2	75	12Ø9	1		1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G16ØM	1400	2	26Ø	12Ø9	1		1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G2ØØM	1900	3	33Ø	12Ø9	1		1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G16ØM	1550	4	21Ø	1209	1		1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G27ØM	2325	2	140	12Ø9	1		1
RU-LUPI	15 56 42.3		HRS	ACCUM	2.0	G16ØM	1215	4	21Ø	12Ø9	1		1
DEEP-SURVEY-FIELD-1	15 58 37.8	42 3 9	WFC	IMAGE	ALL	F6Ø6W	•	11	23ØØ	1111	2		1
DEEP-SURVEY-FIELD-1	15 58 37.8	42 3 9	WFC	IMAGE	ALL	F725LP		11	23ØØ	1111	2		1
DEEP-SURVEY-FIELD-1	15 58 37.8	42 3 9	F0C/48	IMAGE	512X1Ø24	F275W		1	2200	1111	1	PAR	1
DEEP-SURVEY-FIELD-1	15 58 37.8	42 3 9	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2200	1111	1	PAR	1
FIELD155836+420308	15 58 37.8	42 3 9	WFC [*]	IMAGE	ALL	F336W		1	2700	1276	1		1
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ÁLL	F439W		1	2700	1276	1		1
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	F555W		1	2700	1276	1		1
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	F7Ø2W		ī	2700	1276	1		ī
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	G45ØL		ī	1800	1078	ø		ī
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	G8ØØL	er e	ī	1800	1078	ø		ī
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	F1Ø42M		ī	2700	1276	ĭ		ī
FIELD155836+420308	15 58 37.8		WFC	IMAGE	ALL	F785LP		i	2700	1276	î		ī
FIELD155845+420420	15 58 46.8		WFC	IMAGE	ALL	G45ØL		i	1800	1078	ø		î
FIELD155845+420420	15 58 46.8		WFC	IMAGE	ALL	G8ØØL		i	1800	1078	ø		i
FIELD155845+420420	15 58 48.8		WFC	IMAGE	ALL	F725LP		î	2700	1276	Ø		i
	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2312	4	240	1066	1		i
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25 Ø.25	<del>-</del>	1360	4	900	1069	2		1
HD143Ø18			HRS	ACCUM	Ø.25 Ø.25	ECH-A ECH-A		4	240	1066	1		1
HD143Ø18	15 58 51.1		WFC	IMAGE			1341	1		1078	ø		
FIELD155855+420534	15 58 55.9				ALL	G45ØL		_	1800		-		1
FIELD155855+420534	15 58 55.9		WFC	IMAGE	ALL	G8ØØL		1	1800	1078	Ø		1
FIELD155855+420534	15 58 55.9		WFC	IMAGE	ALL	F725LP		1	2700	1276	Ø		1
FIELD1559Ø4+42Ø646	15 59 5.2		WFC	IMAGE	ALL	F336W		1	2700	1276	2		1
FIELD155904+420646	15 59 5.0		WFC	IMAGE	ALL	F439W		1	2700	1276	2		1
FIELD1559Ø4+42Ø646	15 59 5.0		WFC	IMAGE	ALL	F555W		1	2700	1276	2		1
FIELD155904+420646	15 59 5.0		WFC	IMAGE	ALL	F7Ø2W		1	2700	1276	2		1
FIELD1559Ø4+42Ø646	15 59 5.8		WFC	IMAGE	ALL	G45ØL		1	1800	1Ø78	Ø		1
FIELD1559Ø4+42Ø646	15 59 5.0		WFC	IMAGE	ALL	G8ØØL_		1	1800	1078	Ø		1
FIELD1559Ø4+42Ø646	15 59 5.0	-	WFC	IMAGE	ALL	F725LP		1	27ØØ	1276	Ø		1
FIELD1559Ø4+42Ø646	15 59 5.0	42 6 48	WFC	IMAGE	ALL	F1Ø42M		1	2700	1276	2		1
FIELD1559Ø4+42Ø646	15 59 5.0	42 6 48	WFC	IMAGE	ALL	F785LP		1	2700	1276	2		1
FIELD155912+420800	15 59 14.1	42 8 1	WFC	IMAGE	ALL	G8ØØL		1	1800	1078	Ø		1
FIELD155912+420800	15 59 14.1	42 8 1	WFC	IMAGE	ALL	G45ØL		1	1800	1Ø78	2		1
FIELD155912+420800	15 59 14.1	42 8 1	WFC	IMAGE	ALL	F725LP		1	2700	1276	Ø		1
FIELD155922+42Ø913	15 59 23.1	42 9 14	WFC	IMAGE	ALL	G8ØØL		1	1800	1078	1		1
FIELD155922+420913	15 59 23.1		WFC	IMAGE	ALL	G45ØL		1	1800	1078	2		1
FIELD155922+420913	15 59 23.1		WFC	IMAGE	ALL	F725LP		ī	2700	1276	Ø		1
T-COR-BOR	15 59 30.2		F0C/96	IMAGE	512X512	F486N		ī	1200	1253	2		ĩ
T-COR-BOR	15 59 30.2		F0C/96	IMAGE	512X512	F5Ø1N		ī	1200	1253	2		ī
FIELD155931+421025	15 59 31.4		WFC	IMAGE	ALL	G8ØØL		ī	1800	1078	ī		ī
FIELD155931+421025	15 59 31.4		WFC	IMAGE	ALL	G45ØL		ī	1800	1078	2		ī
FIELD155931+421025	15 59 32.2		WFC	IMAGE	ALL	F725LP		i	2700	1276	ē		ī
FIELD155931+421025	15 59 32.2		WFC	IMAGE	ALL	G8ØØL		i	1800	1078	1		i
1 TELV1003417421133	10 02 41.3	72 11 40	m C	TWIC	ALL	GONDE		1	1000	1010	-		*

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines	
FIELD155941+421139	15 59 41.3	3 42 11 40	WFC	IMAGE	ALL	F725LP		1	2700	1276	1		1	
FIELD15595Ø+421251	15 59 50.4		WFC	IMAGE	ALL	G8ØØL		ĩ	1800	1078	1		ī	
FIELD15595Ø+421251	15 59 50.4	42 12 53	WFC	IMAGE	ALL	F725LP		1	2700	1276	1		1	
FIELD155958+421405	15 59 59.5	5 42 14 6	WFC	IMAGE	ALL	G8ØØL		1	1800	1078	1		1	
FIELD155958+4214Ø5	15 59 59.8	5 42 14 8	WFC	IMAGE	ALL	F725LP		1	2700	1276	1		1	
HD143118	18 Ø 7.4	4 -38 23 47	HRS	WSCAN	Ø.25	ECH-A	1530	1	48	1071	2		1	
HD143118		4 -38 23 47	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	12	1071	2		1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	19	1071	2		1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1356	1	45	1071	2		1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1558	1	45	1071	.2		1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1240	1	26	1071	2		1	
HD143118 HD143118	16 Ø 7.4 16 Ø 7.4		HRS HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A ECH-A	1252 1334	1 1	21 26	1071	2		1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1392	1	52	1071	2		1 1	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1191	1	14	1071	2		i	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-A	1547	ī	55	1071	2		i	
HD143118	_	-38 23 47	HRS	WSCAN	Ø.25	ECH-B	1826	î	24	1071	2		i	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-B	2024	î	14	1071	2		î	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-B	26Ø2	ī	19	1071	2		ī	
HD143118	16 Ø 7.4		HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	21	1071	2		ī	
FIELD160007+421517	16 Ø 8.5		WFC	IMAGE	ALL	G8ØØL		1	1800	1078	1		ī	
FIELD160007+421517	16 Ø 8.8	5 42 15 19	WFC	IMAGE	ALL	F725LP		1	2700	1278	ī		1	
FIELD160016+421631	16 Ø 17.6	3 42 16 32	WFC	IMAGE	ALL.	G8ØØL		1	1800	1078	1		1	
FIELD160016+421631	16 Ø 17.6	3 42 16 32	WFC	IMAGE	ALL	F725LP		1	2700	1276	1		1	
HD143275	16 Ø 19.9	9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1260	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1275	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1355	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-B	2325	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1476	1	60	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1477	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1478	1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1276	1	6Ø	1168	3		1	
HD143275 HD143275		9 -22 37 18 9 -22 37 18	HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A ECH-A	1277	1 1	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	13Ø2 1329	1	6Ø 6Ø	1168 1168	3 3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1327	i	6Ø	1168	3		i	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1328	i	6Ø	1168	3		1	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1354	ī	6Ø	1168	3		î	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1356	ī	6Ø	1168	3		ī	
HD143275	-	9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1391	ī	6Ø	1168	3		ī	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1392	ī	6Ø	1168	3		ī	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-A	1393	1	6Ø	1168	3		ī	
HD143275		9 -22 37 18	HRS	ACCUM	Ø.25	ECH-B	2324	ï	6Ø	1168	3		ī	
HD143275	16 Ø 19.9	9 -22 37 18	HRS	ACCUM	Ø.25	ECH-B	2326	1	6Ø	1168	3		1	
HD143275	16 Ø 2Ø.1	-22 37 17	HRS	WSCAN	Ø.25	ECH-A	1240	1	46	1071	1		ī	
HD143275	16 Ø 20.1	1 -22 37 17	HRS	WSCAN	Ø.25	ECH-A	1530	1	84	1071	1		1	
HD143275	16 Ø 20.1	1 -22 37 17	HRS	WSCAN	Ø.25	ECH-B	2370	1	21	1071	1		1	
HD143275	16 Ø 2Ø.1	l -22 37 17	HRS	WSCAN	Ø.25	ECH-A	1334	1	46	1071	1		1	
HD143275		l -22 37 17	HRS	WSCAN	Ø.25	ECH-A	1356	1	79	1071	1		1	
HD143275		l -22 37 17	HRS	WSCAN	Ø.25	ECH-A	1392	1	92	1071	1		1	
HD143275		l -22 37 17	HRS	WSCAN	Ø.25	ECH-A	1558	1	79	1071	1		1	
HD143275	16 Ø 2Ø.1	22 37 17	HRS	WSCAN	Ø.25	ECH-A	1252	1	37	1071	1		1	

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD143275	16 Ø 20.1	l -22 37 17	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	33	1071	1	1
HD143275	16 Ø 20.1	-22 37 17	HRS	WSCAN	Ø.25	ECH-A	1547	1	96	1071	ī	ī
HD143275		-22 37 17	HRS	WSCAN	Ø.25	ECH-B	1826	1	42	1071	ī	ī
HD143275	16 Ø 20.1	-22 37 17	HRS	WSCAN	Ø.25	ECH-A	1191	1	25	1071	1	ī
HD143275	16 Ø 20.1	1 -22 37 17	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	37	1071	1	ī
HD143275	16 Ø 20.1	-22 37 17	HRS	WSCAN	Ø.25	ECH-B	2024	1	25	1071	1	1
HD143275	16 Ø 20.1	l -22 37 17	HRS	WSCAN	Ø.25	ECH-B	2324	1	33	1071	1	1
HD143275	16 Ø 2Ø.1	1 -22 37 17	HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	33	1071	1	1
FIELD160025+421744	16 Ø 26.7		WFC	IMAGE	ALL	G8ØØL		_	1800	1078	1	1
FIELD160025+421744	16 Ø 26.7	7 42 17 45	WFC	IMAGE	ALL	F725LP		1	2700	1276	1	1
FIELD160035+421856	16 Ø 35.8		WFC	IMAGE	ALL	G8ØØL		_	1800	1078	1	1
FIELD160035+421856	16 Ø 35.8		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD160044+422010	16 Ø 44.8		WFC	IMAGE	ALL	G8ØØL_		_	1800	1078	1	1
FIELD160044+422010	16 Ø 44.8		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD160053+422122	16 Ø 53.9	· · ·	WFC	IMAGE	ALL	G8ØØL		_	1800	1078	1	1
FIELD160053+422122	16 Ø 53.9		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD180102+422236	16 1 3.6		WFC	IMAGE	ALL	G8ØØL			1800	1078	1	1
FIELD160102+422236 FIELD160110+422348	16 1 3.6		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD160110+422348	16 1 12.1 16 1 12.1		WFC WFC	IMAGE	ALL	G8ØØL E70ELB			1800 2700	1078 1276	1	1
FIELD160110+422502	16 1 12.1		WFC	IMAGE IMAGE	ALL ALL	F725LP G8ØØL			2766 1866	1078	1 2	1
FIELD160120+422502	16 1 21.1		WFC	IMAGE	ALL	F725LP		_	1000 2700	1276	1	1 1
HD1438Ø7	16 1 26.6		HRS	WSCAN	Ø.25	G27ØM	2535		2388	1182	2	1
HD1438Ø7	16 1 26.6		HRS	ACCUM	Ø.25	ECH-A	1362	ī	591	1182	2	1
HD1438Ø7	16 1 26.6		HRS	ACCUM	Ø.25	ECH-B	1942	ī	242	1182	2	i
HD1438Ø7	16 1 26.6		HRS	ACCUM	Ø.25	ECH-B	1849	ī	3Ø9	1182	2	ī
HD1438Ø7	16 1 26.6		HRS	ACCUM	Ø.25	ECH-B	2536	1	168	1182	2	ī
HD1438Ø7	16 1 26.6		HRS	ACCUM	Ø.25	G16ØM	1268	1	486	1182	2	ī
HD1438Ø7	16 1 26.6	3 29 51 4	HRS	ACCUM	Ø.25	G27ØM	3131	1	286	1182	2	1
HD1438Ø7	16 1 26.6	3 29 51 4	HRS	WSCAN	Ø.25	G16ØM	1499	1	3574	1182	2	1
HD1438Ø7	16 1 26.6	3 29 51 4	HRS	WSCAN	Ø.25	G2ØØM	1859	1	1258	1182	2.	1
FIELD16Ø129+422615	16 1 30.2	2 42 26 16	WFC	IMAGE	ALL	G8ØØL		1	18ØØ	1078	2	1
FIELD16Ø129+422615	16 1 30.2		WFC	IMAGE	ALL	F725LP			27ØØ	1276	1	1
FIELD16Ø138+422727	16 1 39.3		WFC	IMAGE	ALL	G8ØØL		_	1800	1078	2	1
FIELD18Ø138+422727	16 1 39.3		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD18Ø147+422841	16 1 48.4		WFC	IMAGE	ALL	G8ØØL		_	1800	1078	2	1
FIELD16Ø147+422841	16 1 48.4		WFC	IMAGE	ALL	F725LP			2700	1276	1	1
FIELD160157+422953	16 1 57.4		WFC	IMAGE	ALL	G8ØØL			1800	1078	2	1
FIELD160157+422953	16 1 57.4		WFC	IMAGE	ALL	F725LP			27ØØ	1276	1	1
FIELD160206+423108	16 2 6.5		WFC	IMAGE	ALL	G8ØØL			18ØØ	1078	2	1
FIELD160206+423108 FIELD160215+423220	16 2 6.5 16 2 15.6		WFC WFC	IMAGE IMAGE	ALL ALL	F725LP G8ØØL			27ØØ 18ØØ	1276 1078	1	1
FIELD160215+423220	16 2 15.6		WFC		ALL	F725LP			27ØØ	1276	2 2	1
FIELD1602164423220	16 2 24.7		WFC	IMAGE IMAGE	ALL	G8ØØL			2700 1800	1078	2	1 1
FIELD160224+423334	16 2 24.7		WFC	IMAGE	ALL	F725LP			1000 2700	1276	2	1
FIELD16Ø232+423447	16 2 33.8		WFC	IMAGE	ALL	G8ØØL			1800	1078	2	î
FIELD160232+423447	16 2 33.8		WFC	IMAGE	ALL	F725LP			27ØØ	1276	2	i
HD1442Ø5	16 2 39.2		HRS	ACCUM	Ø.25	ECH-B2Ø	2799	î	945	1196	3	ī
FIELD160241+423559	16 2 42.8		WFC	IMAGE	ALL	G8ØØL	2.00	_	1800	1078	2	î
FIELD160241+423559	16 2 42.8		WFC	IMAGE	ALL	F725LP			2700	1276	2	ī
FIELD16Ø25Ø+423713	16 2 51.9		WFC	IMAGE	ALL	G8ØØL		_	1800	1078	2	ī
FIELD160250+423713	16 2 51.9		WFC	IMAGE	ALL	F725LP			2700	1276	2	ī
						*				_		

Target	RA (2	2000)	Dec (200	Ø)	Inst. Config.	Operating Mode	<b>A</b> pertur <b>e</b>	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
FIELD16Ø259+423825	16	3 1.0	42 38	26	WFC	IMAGE	ALL	G8ØØL		1	1800	1078	2			1
FIELD16Ø259+423825		3 1.0	42 38		WFC	IMAGE	ALL	F725LP		ī	2700	1278	2			ī
FIELD160309+423939		3 10.1	42 39		WFC	IMAGE	ALL	G8ØØL		î	1800	1078	2			ī
FIELD160309+423939		3 10.1	42 39		WFC	IMAGE	ALL	F725LP		ī	2700	1276	2			ī
FIELD160319+424051		3 19.1	42 40		WFC	IMAGE	ALL	G8ØØL		i	1800	1078	2			i
FIELD160319+424051	_	3 19.1	42 40		WFC	IMAGE	ALL	F725LP		1	2700	1276	2			i
FIELD160313+424201		3 28.2	42 42	5	WFC	IMAGE	ALL	G8ØØL		_	1800	1078	2			
FIELD160328+424205		3 28.2	42 42	5	WFC	IMAGE	ALL	F725LP		1	2700	1276	2			1
POINT-CP3.2			-47 41	_	S/C	POINTING		F/25LF		1		1014	2			1
FIELD160337+424318		3 37.3	42 43		WFC	IMAGE	ALL	00001		1	Ø					1
		3 37.3	42 43		WFC		_	G8ØØL		1	1800	1078	2			1
FIELD16Ø337+424318					***	IMAGE	ALL	F725LP		1	2700	1278	2			1
POINT-CP3.1			-47 41		S/C	POINTING				1	Ø	1014	2			1
Q16Ø1.5+1747		3 43.9	17 38		FOS/BL	ACCUM	1.0	G27ØH		1	2000	1043	1			1
Q16Ø1.5+1747		3 43.9	17 38		FOS/BL	ACCUM	1.0	G13ØH		4	2000	1043	1			1
Q16Ø1.5+1747		3 43.9	17 38		FOS/BL	ACQ/BINA		MIRROR		1	17	1043	1	ACQ		1
FIELD160346+424430		3 46.4	42 44		WFC	IMAGE	ALL	G8ØØL		1	1800	1078	2			1
FIELD160346+424430		3 46.4	42 44		WFC	IMAGE	ALL	F725LP		1	2700	1276	2			1
FIELD18Ø354+424544		3 55.4	42 45		WFC	IMAGE	ALL	G8ØØL		1	1800	1078	2			1
FIELD16Ø354+424544		3 55.4	42 45		WFC	IMAGE	ALL	F725LP		1	27ØØ	1276	2			1
FIELD160403+424656		4 4.5	42 48		WFC	IMAGE	ALL	G8ØØL		1	1800	1078	2			1
FIELD18Ø4Ø3+424656		4 4.5	42 46		WFC	IMAGE	ALL	F725LP		1	2700	1276	2			1
GAL-CLUS-160244+4312 54	16	4 23.1	43 4	47	WFC	IMAGE	ALL	F7Ø2W		8	2300	1115	2			1
GAL-CLUS-160244+4312	16	4 23.1	43 4	47	WFC	IMAGE	ALL	F85ØLP		8	2300	1115	2			1
54																
HD144217	16	5 28.1	-19 48	19	HRS	ACCUM	Ø.25	ECH-A	126Ø	1	300	1168	3			1
HD144217	16	5 26.1	-19 48	19	HRS	ACCUM	Ø.25	ECH-A	1275	ī	300	1168	3			1
HD144217	16	5 26.1	-19 48	19	HRS	ACCUM	Ø.25	ECH-A	1355	ī	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-B	2325	ī	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1476	ī	300	1168	3			ī
HD144217	_		-19 48		HRS	ACCUM	Ø.25	ECH-A	1477	i	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1478	ī	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1276	î	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1277	i	300	1168	3			î
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1302	i	300	1168	3			i
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1329	i	300	1168	3			ī
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1327	ī	300	1168	3			î
HD144217		-	-19 48		HRS	ACCUM	Ø.25	ECH-A	1328	i	300	1168	3			î
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A		i	300		3			i
HD144217		-	-19 48		HRS	ACCUM	Ø.25	ECH-A	1354	1	300	1168 1168	3			i
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-A	1356		300 300		3			1
HD144217		-	-19 48		HRS	ACCUM	Ø.25	ECH-A	1391	1 1	300	1168	3			
HD144217			-19 48		HRS	ACCUM			1392	_		1168	_			1
					HRS		Ø.25	ECH-A	1393	1	300	1168	3			1
HD144217			-19 48	-		ACCUM	Ø.25	ECH-B	2324	1	300	1168	3			1
HD144217			-19 48		HRS	ACCUM	Ø.25	ECH-B	2326	1	300	1168	3			1
HD144217A			-19 48		HRS	ACCUM	Ø.25	ECH-B	2312	4,	240	1066	1			1
HD144217A			-19 48		HRS	ACCUM	Ø.25	ECH-A	1360	4	900	1069	3	CON S	EL	1
HD14447Ø			-20 40	9	HRS	ACCUM	Ø.25	ECH-A	1260	1	300	1168	3			1
HD14447Ø		6 48.3		9	HRS	ACCUM	Ø.25	ECH-A	1275	1	300	1168	3			1
HD14447Ø		6 48.3		9	HRS	ACCUM	Ø.25	ECH-A	1355	1	300	1168	3			1
HD14447Ø			-20 40	9	HRS	ACCUM	Ø.25	ECH-B	2325	1	300	1168	3			1
HD14447Ø	16	6 48.3	-20 40	9	HRS	ACCUM	Ø.25	ECH-A	1476	1	300	1168	3			1

				Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA	(2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1477	1	3ØØ	1168	3		1
HD14447Ø	16		-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1478	ī	300	1168	3		i
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-A	1276	ī	300	1168	3		ī
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-A	1277	1	300	1168	3		ī
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1302	1	300	1168	3		ī
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-A	1329	1	300	1168	3		ĭ
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1327	1	300	1168	3		1
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1328	1	3ØØ	1168	3		1
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1354	1	300	1168	3		1
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1356	1	300	1168	3		1
HD14447Ø	16	8 6 48.3	-20 40 9	HRS	ACCUM	Ø.25	ECH-A	1391	1	300	1168	3		1
HD14447Ø	16	8 8 48.3		HRS	ACCUM	Ø.25	ECH-A	1392	1	300	1168	3		1
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-A	1393	1	300	1168	3		1
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-B	2324	1	300	1168	3		1
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-B	2326	1	300	1168	3		1
HD14447Ø	16			HRS	ACCUM	Ø.25	ECH-B	2312	4	420	1066	1		1
TH28	16			PC	IMAGE	ALL	F7Ø2W		1	40	1121	3	ACQ	1
TH28	16			WFC	IMAGE	ALL	F656N			1000	1121	3		2
TH28	16			WFC	IMAGE	ALL ALL-ND	F7Ø2W F7Ø2W		1	100	1121	3		2
TH28	16			PC HRS	IMAGE ACCUM	2.0	G14ØL	1800	1	600 100	1121 1209	3		1
HD144668 HD144668	16 16			HRS	ACCUM	2.0	G27ØM	2800	1 1	40	1209	3 3		1
HD144668	16			HRS	ACCUM	2.0	G14ØL	1300	i	64	1209	3		1 1
HD144668	16			HRS	ACCUM	2.0	G14ØL	1550	i	64	1209	3		1
HD144668	16		-39 6 19	HRS	ACCUM	2.0	G16ØM	1550	2	150	1209	3		i
HD144668	16			HRS	ACCUM	2.0	G16ØM	1400	4	225	1209	3		i
HD144668	16			HRS	ACCUM	2.0	G16ØM	13Ø5	3	120	1209	3		ī
HD144668	16			HRS	ACCUM	2.0	G16ØM	1335	4	150	1209	3		ī
HD145389	16	8 46.0	44 56 7	HRS	WSCAN	Ø.25	G27ØM	2535	1	869	1182	3		1
HD145389	16	8 46.2	44 56 7	HRS	ACCUM	Ø.25	ECH-B	1942	1	133	1182	2		1
HD145389	16	8 46.0	44 56 7	HRS	ACCUM	Ø.25	G16ØM	1268	1	99	1182	3		1
HD145389	16	8 46.0	44 56 7	HRS	ACCUM	Ø.25	G27ØM	3131	1	73	1182	3		1
HD145389	16	8 46.0		HRS	WSCAN	Ø.25	G16ØM	1499	1	8Ø8	1182	3		1
HD145389	16			HRS	WSCAN	Ø.25	G2ØØM	1859	1	355	1182	3		1
MK496		3 11 40.5		WFC	IMAGE	ALL	F336W		1	6Ø	1187	3	ACQ	1
MK496		3 11 40.5		WFC	IMAGE	ALL	F569W		1	3	1187	3	ACQ	1
MK496		3 11 40.5		WFC	IMAGE	ALL	F664N		1	6Ø	1187	3	ACQ	1
MK498		3 11 40.5		WFC	IMAGE	ALL	G45ØL		1	60	1187	3	ACQ	1
MK498		3 11 40.5		WFC WFC	IMAGE IMAGE	ALL ALL	F23ØW F23ØW		1	24	1187	3	ACQ	1
MK498		11 40.5		WFC	IMAGE	ALL	F336W	*	1 1	240	1187	3	ACQ	1
MK496 MK496		3 11 40.5 3 11 40.5		WFC	IMAGE	ALL	F439W		1	12 18	1187 1187	3	ACQ	1 1
MK496	16			WFC	IMAGE	ALL	F675W		1	4	1187	3 3	ACQ ACQ	1
MK496		3 11 40.5 3 11 40.5		HRS	ACCUM	2.0	G14ØL	1300		1800	1187	3	ACQ	1
MK496	16			HRS	ACCUM	2.0	G140L	1550	_	1500	1187	3		1
MK496	16			HRS	ACCUM	2.0	G14ØL	1800		2100	1187	3		1
HD1455Ø2			-19 26 59	HRS	ACCUM	Ø.25	ECH-A	1260	ī	300	1168	3		i
HD1455Ø2	_		-19 26 59	HRS	ACCUM	Ø.25	ECH-A	1275	î	300	1168	3		ī
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HD1455Ø2			-19 26 59	HRS	ACCUM	Ø.25	ECH-B	2325	ī	300	1168	3		ī
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Dil   Fisher   Dil   Dil   Fisher   Dil   D	Target	RA (200	Ø)	Dec (	2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tot Lin	
HD145682	HD1455Ø2	16 11	58.5	-19	26 59	HRS	ACCUM	Ø.25	ECH-A	1478	1	3ØØ	1168	3			1
HD145562	HD1455Ø2	16 11	58.5	-19	26 59	HRS			ECH-A	1276	1	3ØØ	1168	3			1
HD145682	HD1455Ø2	16 11	58.5	-19	26 59	HRS			ECH-A	1277	1	300	1168	3			
HD145682	HD145502	16 11	58.5	-19	26 59							300	1168				
HD145692																	
	HD1455Ø2										1	300	1168	3			
HD1455802	HD1455Ø2	16 11	58.5	-19	26 59						1	300	1168	_			
HD145502	HD1455Ø2	16 11	58.5	-19	26 59							3ØØ		3			_
H0145502	HD1455Ø2					HRS			ECH-A	1356	1	3ØØ	1168	3			1
H0145582	HD1455Ø2	16 11	58.5	-19	26 59	HRS			ECH-A	1391	1	3ØØ	1168	3			
H01456802	HD145502	16 11	58.5	-19	26 59	HRS			ECH-A	1392	1	3ØØ	1168	3			
H01455692	HD1455Ø2	16 11	58.5	-19	26 59	HRS			ECH-A	1393	1	3ØØ	1168	3			
H0145692	HD1455Ø2	16 11	58.5	-19	26 59	HRS			ECH-B	2324	1	3ØØ	1168	3			
HD145692   16 11 59.7 -19 27 36 HRS   ACCUM   0.25   ECH-A   1304   1 306   1147   3   2   2   1   1   1   1   1   1   2   1   1	HD1455Ø2	16 11	58.5	-19	26 59	HRS	ACCUM	Ø.25	ECH-B	2326	1	300	1168	3			1
HD145692   16 11 59.7 -19 27 36 HRS   ACCUM   0.25   ECH-A   1304   1 306   1147   3   2   2   1   1   1   1   1   1   2   1   1	HD1455Ø2	16 11	59.7	-19	27 36	HRS	ACCUM	Ø.25	ECH-A	1248	1	3Ø	1147	3			2
TON2566 16 14 13.2 26 4 16 WFC IMAGE ALL F725LP 1 1 1706 1116 2 1 1 1708256 16 14 13.3 2 84 16 WFC IMAGE ALL F725LP 1 1 212 1116 2 1 1 1708256 16 14 13.3 2 84 16 WFC IMAGE S12X512 F140M 1396 1 400 1227 6 1 1 1708256 16 14 13.3 2 84 16 WFC IMAGE S12X512 F170M 1768 1 400 1227 6 1 1 1 1708256 16 14 13.3 2 84 16 WFC IMAGE S12X512 F170M 2140 1 400 1227 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HD1455Ø2	16 11	59.7	-19	27 36	HRS	ACCUM	Ø.25	ECH-A	1304	1	3Ø	1147	3			
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TON256	T0N258	16 14	13.2	26	4 16	WFC	IMAGE	ALL	F725LP		1	17ØØ	1116	2			1
TON256 16 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F170M 1768 1 400 1227 0 1 TON256 16 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F210M 2140 1 400 1227 0 1 TON256 16 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F502M 4950 1 400 1227 0 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F502M 4950 1 400 1227 0 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F170M 1760 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F170M 1760 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 14 13.3 28 4 16 FOC/96 IMAGE 512X512 F500M 5470 1 500 1227 1 1 TON256 18 17 12.5 -22 58 30 PC IMAGE 512X512 F500M 5470 1 500 1227 1 1 NCC6093 16 17 2.5 -22 58 30 PC IMAGE ALL F505W 1 30 1019 2 1 NCC6093 16 17 2.5 -22 58 30 PC IMAGE ALL F785LP 1 30 1019 2 1 NCC6093 16 17 2.5 -22 58 30 PC IMAGE ALL F439W 4385 1 500 1653 0 ACQ 1 NCC6093 16 17 2.5 -22 58 30 PC IMAGE ALL F439W 3363 1 500 1653 0 ACQ 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F439W 3363 1 500 1653 0 ACQ 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 3163 1 500 1653 0 ACQ 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 300 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F547M 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 ACQ CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1 1 100 1652 0 CON 1 NCC6093 16 17 2.6 -22 58 30 PC IMAGE ALL F536W 1		16 14	13.2	26	4 16	WFC	IMAGE	ALL	F725LP		1	212	1116	2			1
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NGC6Ø93-NOVA  16 17 5.2 -22 59 21* FOS/RD  NGC6Ø93-NOVA  16 17 5.2 -22 59 21* FOS/RD  ACCUM  Ø.3  G57ØH  1 10ØØ 1053 Ø CON  1 NGC6Ø93-OFFSET  16 17 5.2 -22 59 21 FOS/RD  ACQUM  Ø.3  G57ØH  1 10ØØ 1053 Ø CON  1 NGC6Ø93-OFFSET  16 17 5.2 -22 59 21 FOS/RD  ACQUM  Ø.3  MIRROR  1 1 10ØØ 1053 Ø CON  1 NGC6Ø93-OFFSET  16 17 5.2 -22 59 21 FOS/RD  ACQ CON  1 SC332.Ø  16 17 42.7 32 22 34 FOC/96  IMAGE  S12X512  F14ØM  1 18ØØ 1233 2  1 SC0-X-1-LOBE  16 19 52.6 -15 39 38 WFC  IMAGE  ALL  F555W  F555W  F553  1 6ØØ 1051 1  1 SCOX-1  SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96  IMAGE  S12X512  F486N  1 12ØØ 1253 2  1 SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96  IMAGE  S12X512  F486N  1 12ØØ 1253 2  1 SCOX-1																	
NGC6Ø93-NOVA  16 17 5.2 -22 59 21* FOS/RD  ACCUM Ø.3  G57ØH  1 35ØØ 1Ø53 Ø CON 1  NGC6Ø93-OFFSET  16 17 5.2 -22 59 21 FOS/RD  ACQ/BINA 4.3  MIRROR  1 1 1 1Ø53 Ø ACQ CON 1  3C332.Ø  16 17 42.7 32 22 34 FOC/96  IMAGE 512X512  F14ØM  1 18ØØ 1233 2  1  SCO-X-1-LOBE  16 19 52.6 -15 39 38 WFC  IMAGE ALL  F555W  5553  1 6ØØ 1Ø51 1  1  SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96  IMAGE 512X512  F486N  1 12ØØ 1253 2  1  SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96  IMAGE 512X512  F486N  1 12ØØ 1253 2  1											-						
NGC6Ø93-OFFSET  16 17 5.2 -22 59 21 FOS/RD  ACQ/BINA 4.3  MIRROR  1 1 1 1053 Ø ACQ CON 1 3C332.Ø  16 17 42.7 32 22 34 FOC/96 IMAGE 512X512 F14ØM  1 18ØØ 1233 2 1 3C332.Ø  16 17 42.7 32 22 34 FOC/96 IMAGE 512X512 F21ØM  1 12ØØ 1233 2 1 SCO-X-1-LOBE  16 19 52.6 -15 39 38 WFC  IMAGE ALL  F555W  5553 1 6ØØ 1Ø51 1 1 SCO-X-1-LOBE  16 19 52.6 -15 39 38 WFC  IMAGE ALL  F656N  6559 1 14ØØ 1Ø51 1 1 SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96 IMAGE 512X512 F486N  SCOX-1  SCOX-1  16 19 55.2 -15 38 24 FOC/96 IMAGE 512X512 F5Ø1N  1 12ØØ 1253 2 1																	
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3C332.Ø 16 17 42.7 32 22 34 FOC/96 IMAGE 512X512 F21ØM 1 12ØØ 1233 2 1 SC0-X-1-LOBE 16 19 52.6 -15 39 38 WFC IMAGE ALL F555W 5553 1 6ØØ 1Ø51 1 1 SC0-X-1-LOBE 16 19 52.6 -15 39 38 WFC IMAGE ALL F656N 6559 1 14ØØ 1Ø51 1 1 SC0X-1 16 19 55.2 -15 38 24 FOC/96 IMAGE 512X512 F486N 1 12ØØ 1253 2 1 SC0X-1 16 19 55.2 -15 38 24 FOC/96 IMAGE 512X512 F5Ø1N 1 12ØØ 1253 2 1		-				•					_	_			new C	,011	
SC0-X-1-L0BE       16 19 52.6 -15 39 38 WFC       IMAGE       ALL       F555W       5553 1 600 1051 1       1         SC0-X-1-L0BE       16 19 52.6 -15 39 38 WFC       IMAGE       ALL       F656N       6559 1 1400 1051 1       1         SC0X-1       16 19 55.2 -15 38 24 F0C/96       IMAGE       512X512       F486N       1 1200 1253 2       1         SC0X-1       16 19 55.2 -15 38 24 F0C/96       IMAGE       512X512       F501N       1 1200 1253 2       1														_			
SCO-X-1-LOBE     16 19 52.6 -15 39 38 WFC     IMAGE     ALL     F656N     6559 1 1400 1051 1     1       SCOX-1     16 19 55.2 -15 38 24 FOC/96     IMAGE     512X512     F486N     1 1200 1253 2     1       SCOX-1     16 19 55.2 -15 38 24 FOC/96     IMAGE     512X512     F501N     1 1200 1253 2     1										5553	_			_			_
SCOX-1     16 19 55.2 -15 38 24 FOC/96     IMAGE 512X512     F486N     1 1200 1253 2     1       SCOX-1     16 19 55.2 -15 38 24 FOC/96     IMAGE 512X512     F501N     1 1200 1253 2     1	_ · · ·										_			_			
SCOX-1 16 19 55.2 -15 38 24 FOC/96 IMAGE 512X512 F5Ø1N 1 1200 1253 2 1										0003				_			
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1240	1	39	1071	2	1
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1252	1	32	1071		ī
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1530	1	72	1071	2	ī
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	18	1071	2	1
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1303	1	28	1071	2	1
HD147165	16 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1334	1	39	1071	2	1
HD147165	18 21 11.4	-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1356	1	68	1071	2	1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1392	1	79	1071		1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1558	1	68	1071		1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1191	1	21	1071	2	1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-A	1547	1	82	1071	2	1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-B	1805	1	32	1071	2	1
HD147185		-25 35 33	HRS	WSCAN	Ø.25	ECH-B	1826	1	36	1071	2	1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-B	2024	1	21	1071		1
HD147185		-25 35 33	HRS	WSCAN	Ø.25	ECH-B	2324	1	57	1071	2	1
HD147165		-25 35 33	HRS	WSCAN	Ø.25	ECH-B	2602	1	28	1071	2	. 1
NGC6121		-26 31 32	PC PC	IMAGE	ALL	F555W		1	3	1019		1
NGC6121		-26 31 32	WFC	IMAGE	ALL	F785LP	e.	1	3	1019		1
NGC8121	16 23 35.5 16 23 35.5	5 -26 31 32 5 -26 31 32	WFC	IMAGE IMAGE	ALL ALL	F555W F785LP		3 6	9ØØ 45Ø	1Ø17 1Ø17	2 2	1 1
NGC6121 AC+48D1595-89	16 23 35.8		FGS	TRANS	ANY	F583W			1000	1003		2
AC+48D1595-89	16 24 7.6		FGS	TRANS	ANY	F583W		_	LØØØ	1003		2
AC+48D1595-89	16 24 7.6		FGS	TRANS	ANY	F583W		_	LØØØ	1003	_	1
GL623	16 24 7.9		F0C/288		512X512-FØ.4	F37ØLP		1	900	1274	ø	i
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	126Ø	ī	600	1168	_	ī
HD147933		-23 28 50	HRS	ACCUM	Ø.25	ECH-A	1275	ī	600	1168		ī
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1355	ĩ	600	1168		ī
HD147933	16 25 35.1	-23 26 50	HRS	ACCUM	Ø.25	ECH-B	2325	1	600	1168	3	1
HD147933	16 25 35.1	-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1476	1	600	1168	3	1
HD147933	16 25 35.1	-23 26 5Ø	HRS	ACCUM	Ø.25	ECH-A	1477	1	600	1168	3	1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1478	1	600	1168	3	1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1276	1	6ØØ	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1277	1	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1302	1	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1329	1	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1327	1	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1328	1	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-A	1354	1	600	1168		1
HD147933		-23 26 50	HRS HRS	ACCUM	Ø.25	ECH-A ECH-A	1356	1	600	1168		1
HD147933		-23 28 50	HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A	1391	1	600	1168		1
HD147933 HD147933		-23 26 5Ø -23 26 5Ø	HRS	ACCUM	Ø.25 Ø.25	ECH-A	1392 1393	1 1	6ØØ 6ØØ	1168 1168		1 1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-B	2324	i	600	1168		1
HD147933		-23 26 50	HRS	ACCUM	Ø.25	ECH-B	2326	i	600	1168	-	1
HD147933		2 -23 26 49	HRS	ACCUM	Ø.25	ECH-A	1300	i	3Ø	1162		i
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1340	î	30	1162		i
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	1910	ī	3Ø	1162	_	î
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2060	ī	3Ø	1162		ī
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2260	ī	3Ø	1162	-	ī
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2370	ī	3Ø	1162		ī
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2600	ī	3Ø	1162		ī
HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2800	1	3Ø	1162	_	1
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				Inst.	Operating		Spectral	Central	No.	Exp.		Spec.	Total	
	Target	RA (2ØØØ)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		Time	ID	Cy. Req.	Lines	
									Ť			•		
	UD1 47000	10 05 05 0					5011 B		_					
	HD147933	16 25 35.2		HRS	ACCUM	Ø.25	ECH-B	285Ø	1	3Ø	1162	1	1	
	HD147933	16 25 35.2		HRS -	ACCUM	Ø.25	G14ØM	1080	1	35	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	G14ØM	113Ø	1	35	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	G16ØM	116Ø	1	15	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1445	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1345	1	3Ø	1162	.1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2025	1	3Ø	1162	1	1	
	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2325	1	3Ø	1162	1	1	
	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2865	1	3Ø	1162	1	1	
I	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	G14ØM	1Ø65	1	35	1162	1	1	
1	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	G14ØM	1105	1	35	1162	1	1	
i	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	G14ØM	1145	1	35	1162	1	1	
	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1402	1	3Ø	1162	ī	ī	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1412	1	3Ø	1162	ī	ī	
-	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1197	ī	3Ø	1162	ī	ī	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1234	ī	3Ø	1162	ī	ī	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1238	ī	3Ø	1162	ī	ī	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1252	i	3Ø	1162	i	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1276	i	3Ø	1162	i		
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1288	i	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1326	i	3Ø	1162	_	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A					1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1333	1	3Ø	1162	1	1	
	HD147933			HRS				1353	1	3Ø	1162	1	1	
	HD147933		-23 26 49		ACCUM	Ø.25	ECH-A	1361	1	3Ø	1162	1	1	
			-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1369	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1391	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1531	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1549	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1559	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	16Ø6	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1654	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	1673	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-A	17Ø6	1	3Ø	1162	1	1	
	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	18Ø8	1	3Ø	1162	1	1	
- 1	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	1828	1	3Ø	1162	1	1	
- 1	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	1854	1	3Ø	1162	1	1	
- {	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2483	1	3Ø	1162	1	1	
- 1	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2011	1	3Ø	1162	1	1	
1	HD147933	16 25 35.2	-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2139	1	3Ø	1162	ī	1	
1	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2334	1	3Ø	1162	ī	ī	
i	HD147933		-23 26 49	HRS	ACCUM	Ø.25	ECH-B	2683	ī	3Ø	1162	i	ī	
	HD147933		-23 26 49	HRS	WSCAN	Ø.25	G16ØM	1292	ī	130	1162	i	i	
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1530	i	45Ø	1071	3	1	
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1240	1	247	1071	3		
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1252	1	202	1071	_	1	
	HD148184		-18 27 22 -18 27 22	HRS	WSCAN	Ø.25 Ø.25	ECH-B	237Ø		_		3	1	
	HD148184								1	112	1071	3	1	
	HD148184	16 27 1.4		HRS	WSCAN	Ø.25	ECH-A	1303	1	18Ø	1071	3	1	
			-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1392	1	495	1071	3	1	
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1334	1	247	1071	3	1	
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1356	1	427	1071	3	1	
	HD148184		-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1558	1	427	1071	3	1	
ı	HD148184	16 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1191	1	135	1071	3	1	•

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines	
HD148184	16 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-B	1826	1	225	1071	3		1	
HD148184	16 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-B	2024	1	135	1Ø71	3		1	
HD148184	16 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	18Ø	1071	3		1	
HD148184	16 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-A	1547	1	517	1Ø71	3		1	
HD148184	18 27 1.4	-18 27 22	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	202	1071	3		1	
ABELL2197-QSO	16 27 43.9	40 47 43	FOS/BL	ACCUM	1.0	G27ØH		1 2	2000	1Ø43	2		1	
ABELL2197-QSO	16 27 43.9	40 47 43	FOS/BL	ACCUM	1.0	G13ØH		4 2	2000	1Ø43	2		1	
ABELL2197-QSO	16 27 43.9	40 47 43	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1043	2	ACQ	1	
NGC6166	16 28 38.3	39 33 4	F0C/96	IMAGE	512X512	F32ØW		1	600	1Ø57	2		1	
NGC6166	16 28 38.3	39 33 4	F0C/96	IMAGE	512X512	F5Ø2M		1	300	1Ø57	2		1	
NGC8166	16 28 38.3		F0C/288	IMAGE	512X512	F32ØW			600	1Ø57	2	CON	1	
NGC8166	16 28 38.3		F0C/48	SPEC	256X1Ø24-SLIT		4500	1 12		1Ø57	2	CON	1	
NGC6166	16 28 38.3		F0C/48	IMAGE	128X128-ASLIT		392Ø		100	1Ø57	2	ACQ		
3C337	16 28 52.7		WFC	IMAGE	ALL	F555W_		_	700	1070	1		1	
3C337	16 28 52.7		WFC	IMAGE	ALL	F785LP			700	1070	1		1	
HD148478		-26 25 55	F0C/288	IMAGE	256X256	F1ND F275W F6ND		-	600	1197	2		1	
HD148478		-26 25 55	F0C/288	IMAGE	512X512	FIND F22ØW F2ND		1	300	1197	2		1	
HD148478		-26 25 55	F0C/288	IMAGE	256X256	F1ND F22ØW F4ND		1	18Ø	1197	2		1	
HD148478		-28 25 55	F0C/288	IMAGE	512X512	F1ND F22ØW F6ND		1	36Ø	1197	2		1	
HD148478		-28 25 55	F0C/288	IMAGE	512X512	F22ØW F231M F4ND		1	600	1197	2		1	
HD148478		-28 25 55	F0C/288	IMAGE	256X258	F22ØW F231M F2ND		1	180	1197 1197	2		1	
HD148478 HD148478		-28 25 55 -28 25 55∗	F0C/288	IMAGE ACCUM	256X256	F220W F253M F2ND G140L	1550	1	24Ø 435	1197	2		1	
HD148478		-28 25 55 <b>*</b>		ACCUM	Ø.25 Ø.25	G140L	1800	1	435	1195	2		1 1	
HD148478		-26 25 55 <b>*</b>		ACCUM	Ø.25	G2ØØM	1655	1	300	1195	2		1	
HD148478		-28 25 55*		ACCUM	Ø.25	G14ØL	1314	i		1195	2		1	
HD148478		-28 25 55*		ACCUM	Ø.25	G2ØØM	1994	î		1195	2		ī	
HD148478		-26 25 55*	–	ACCUM	Ø.25	ECH-B2Ø	2759	ī	522	1195	2		i	
HD148478		-26 25 55*		ACCUM	Ø.25	ECH-B2Ø	2772	ī	522	1195	2		ī	
HD148478		-26 25 55*		ACCUM	Ø.25	ECH-B2Ø	2799	ī	84	1195	2		ī	
HD148478		-26 25 55*		ACCUM	Ø.25	ECH-B24	2327	_	522	1195	2		ī	
3C34Ø	16 29 36.6		WFC	IMAGE	ALL	F555W		1 2	700	1070	1		1	
3C34Ø	16 29 36.6	23 20 13	WFC	IMAGE	ALL	F785LP		1 2	700	1070	1		1	
HD1486Ø5	16 30 12.5	-25 6 52	HRS	ACCUM	Ø.25	ECH-A	1248	1	3Ø	1147	3		1	
HD1486Ø5	16 30 12.5	-25 6 52	HRS	ACCUM	Ø.25	ECH-A	13Ø4	1	3Ø	1147	3		1	
4C12.59	16 31 45.2	11 56 3	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1	
4C12.59	16 31 45.2	11 56 3	F0C/96	IMAGE	512X512	F346M		1	600	1228	2		1	
4C12.59	18 31 45.2	11 56 3	F0C/48	IMAGE	512X512	F18ØLP			600	1228	2	CON	1	
4C12.59	16 31 45.2		F0C/48	SPEC	256X1Ø24-SLIT	_			200	1228	2	CON	1	
SA018445Ø		-21 27 59	WFC	IMAGE	ALL	F569W		1	Ø	1082	4	ACQ	2	
SA018445Ø	16 32 8.2	2 -21 27 59	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1 1	500	1032	4		2	
KZ-TRA	16 32 16.7	-67 27 39	FOS/BL	ACCUM	Ø.3	G13ØH		1 1	800	1051	2		. 1	
KZ-TRA		-67 27 39	FOS/BL	ACCUM	Ø.3	G27ØH		1 1	8ØØ	1051	2		1	
KZ-TRA	16 32 16.7	-67 27 39	FOS/BL	<b>PERIOD</b>	Ø.3	G16ØL		1 6	3996	1051	2		1	
KZ-TRA		-67 27 39	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	1051	2	ACQ	1	
4U1626-67	16 32 16.7	-67 27 43	HSP/UV1	SINGLE	1.0	F135W		1 2	2000	1Ø91	1	-	1	
NGC6251	16 32 31.9		WFC	IMAGE	ALL	F555W		1	3Ø	11Ø5	3		1	
NGC6251	16 32 31.9	82 32 16	WFC	IMAGE	ALL	F555W		1	23Ø	1105	3		1	
NGC6251	16 32 31.9		WFC	IMAGE	ALL	F555W		1 1	400	1105	3		1	
NGC6171	16 32 31.9		PC	IMAGE	ALL	F555W		1	4Ø	1Ø19	2		1	
NGC8171	16 32 31.9	-13 3 13	PC	IMAGE	ALL	F785LP		1	4Ø	1Ø19	2		1	

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Tota Line	
NGC8251	16 32 31.9	82 32 16	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	7300	1040	2			1
NGC8251-OFFSET-STAR	16 32 31.9	82 32 16*	FOS/RD	ACQ/BINA	4.3	MIRROR		1	5	1040	2	ACQ		1
NGC8251-P0S1	16 32 31.9	82 32 17*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH		1	7300	1040	2	CON		1
NGC6251-P0S2	16 32 31.9	82 32 17*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH		1	1900	1040	2			1
NGC8251	16 32 32.2	82 32 16	F0C/96	IMAGE	512X512	F32ØW		ī	300	1228	2			ī
NGC8251	16 32 32.2		F0C/96	IMAGE	512X512	F37ØLP		ī	300	1228	2			ī
NGC6251	16 32 32.2		F0C/48	IMAGE	512X512	F18ØLP		ī	600	1228	2	CON		ī
NGC8251	16 32 32.2	82 32 16	F0C/48	SPEC	256X1Ø24-SLIT			ī	1200	1228	2	CON		ī
NGC8251	16 32 33.6	82 32 17	F0C/288	IMAGE	512X512	F32ØW		ī	600	1057	ī	CON		ī
NGC6251	16 32 33.6		F0C/96	IMAGE	512X512	F1ND F32ØW		ī	600	1057	ø	00.1		ī
NGC6251	16 32 33.6		F0C/96	IMAGE	512X512	F1ND F5Ø2M		ī	300	1057	ø			ī
NGC6251	16 32 33.6		F0C/48	SPEC	256X1Ø24-SLIT		4500	ī	7200	1057	ĩ	CON		ī
NGC6251	16 32 33.6		F0C/48	IMAGE	128X128-ASLIT		3920	ī	100	1057	i	ACQ C		î
HD149121	16 32 35.7		HRS	ACCUM	Ø.25	ECH-B	1942	ī	4Ø8	1182	2	neq e		î
HD149121	16 32 35.7		HRS	ACCUM	Ø.25	ECH-B	1739	ī	649	1182	2			î
HD149121	16 32 35.7		HRS	ACCUM	Ø.25	ECH-B	1783	ī	5Ø4	1182	2			i
HD149121	16 32 35.7		HRS	ACCUM	Ø.25	ECH-B	18Ø1	i	440	1182	2			i
HD149121	16 32 35.7		HRS	ACCUM	Ø.25	ECH-B	2082	i	219	1182	2			i
NGC6251-OFFSET-STARS				IMAGE	ALL	F6Ø6W	2002	i	15	1040	ø	ACQ		i
-FIELD	20 02 1212	. 02 02 14	•	2107100	7166	1 ODON		-	10	1070	v	nca		_
NGC6164	16 33 59.5	-48 9 6	WFC	IMAGE	ALL	F656N		1	2100	11Ø7	1			1
HD149038		-44 2 43	HRS	ACCUM	Ø.25	ECH-B	2312	4	720	1066	i			i
HD149038	16 34 5.0		HRS	ACCUM	Ø.25	ECH-A	1446	5	480	1065	2	CON S		i
110143000	10 04 0.0	. 11 2 10	11110	ACCOM.	5.20	LCII-A	1440	5	400	1905	-	CON 3	CL	_
HD149Ø38	16 34 5.0	1 -44 2 43	HRS	ACCUM	Ø.25	ECH-A	13Ø1	5	48Ø	1Ø65	2	CON S	EL	1
HD149Ø38	16 34 5.0	-44 2 43	HRS	ACCUM	Ø.25	ECH-A	1328	5	48Ø	1065	2	CON S	EL	1
HD149Ø38	16 34 5.2	-44 2 43	HRS	ACCUM	Ø.25	ECH-A	1418	5	48Ø	1ø65	2	CON S	EL	1
HD149Ø38	16 34 5.0	i –44 2 43	HRS	ACCUM	Ø.25	ECH-A	1366	5	48Ø	1Ø65	2	CON S	Fi	1
					_			_						
HD149Ø38	16 34 5.0	1 -44 2 43	HRS	ACCUM	Ø.25	ECH-A	1279	5	48Ø	1065	2	CON S	EL	1
PG1634+7Ø6	16 34 29.1	70 31 33	HRS	ACCUM	2.0	G27ØM	2600	1	216Ø	1143	2			1
PG1634+7Ø6	16 34 29.1	70 31 33	HRS	ACCUM	2.0	G27ØM	2600	ī	2400	1143	2			1
PG1634+7Ø6	16 34 29.1	70 31 33	HR\$	ACCUM	2.0	G27ØM	2600	ī	4200	1143	2			1
PG1634+7Ø6	16 34 29.1	70 31 33	HRS	ACCUM	2.0	G27ØM	2600	ī	5100	1143	2			1
PG1634+7Ø6	16 34 29.1	7Ø 31 33	FOS/RD	ACQ/BINA	4.3	MIRROR		ī	11	1025	2	ACQ		1
PG1634+7Ø6	16 34 29.1	70 31 33	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1142	ī	ACQ		ī
PG1634+7Ø6	16 34 29.1		FOS/RD	ACCUM	1.0	G19ØH	198ø	ī	1200	1142	ī			ī
PG1634+7Ø6	16 34 29.1	70 31 33	FOS/RD	ACCUM	1.0	G27ØH	2753	2	450	1025	2			ī
PG1634+7Ø6	16 34 29.1		FOS/RD	ACCUM	1.Ø-PAIR-A	G19ØH	198ø	ī	78Ø	1142	ī			ī
PG1634+7Ø6	16 34 29.1		FOS/RD	ACCUM	1.0-PAIR-A	G27ØH	2753	ī	18Ø	1142	ī			ī
PG1634+7Ø6	16 34 29.1		FOS/RD	ACCUM	1.Ø-PAIR-B	G19ØH	1980	î	78Ø	1142	î			î
PG1634+7Ø6	16 34 29.1		FOS/RD	ACCUM	1.Ø-PAIR-B	G27ØH	2753	î	18Ø	1142	i			ī
HD149438	16 35 53.0		HRS	ACCUM	Ø.25	ECH-A	136Ø	4	900	1069	3	CON S		i
HD149881	16 36 58.2		HRS	WSCAN	Ø.25	ECH-A	1530	ī	342	1071	1	CUIT		1
HD149881	16 36 58.2		HRS	WSCAN	Ø.25	ECH-B	2370	1	85	1071	1			1
HD149881	16 36 58.2		HRS	WSCAN	Ø.25	ECH-A	1240	1	188	1071	1			1
HD149881	16 36 58.2		HRS	WSCAN	Ø.25	ECH-A	1303	i	136	1071	i			i
HD149881	16 36 58.2		HRS	WSCAN	Ø.25	ECH-A	1334	1	188	1071	1			1
	00 00.2	. 17 20 00		1100/111	20	-VII-N	1004	1	100	INII	Ŧ			1

Target	RA (2000)	Inst. Dec(2000) Config	Operating . Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Spec. Cy. Req.	Total Lines
HD149881	16 36 58.2	2 14 28 3Ø HRS	WSCAN	Ø.25	ECH-A	1392	1	376	1071	1	1
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-A	1252	1	153	1071	1	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-A	1356	1	324	1071	1	ī
HD149881	16 36 58.2	· · · · · · · · · · · · · · · · · · ·	WSCAN	Ø.25	ECH-A	1558	1	324	1071	1	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-B	1826	ī	171	1071	ī	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-A	1191	1	102	1071	1	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-B	2024	1	102	1071	1	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-B	26Ø2	1	136	1071	- <b>1</b>	ī
HD149881	16 36 58.2		WSCAN	Ø.25	ECH-A	1547	1	393	1071	1	ī
HD149881	16 36 58.2	· · · · · · · · · · · · · · · ·	WSCAN	Ø.25	ECH-B	18Ø5	1	153	1071	1	ī
KP1635+267B	16 37 1.0			6.0	F16ØLP		1	6Ø	1391	Ø ACQ	. 4
KP1635+267B	16 37 1.0			10.0	F14ØLP		1	60	1391	Ø ACQ	1
KP1635+267B	16 37 1.0			POLØ	F277₩		1	8Ø	1391	Ø	44
KP1635+267B	16 37 1.0			POL45	F277M		1	8Ø	1391	Ø	44
KP1635+267B	16 37 1.0		L STAR-SKY	' P0L9Ø	F277M		1	8Ø	1391	Ø	44
KP1635+267B	18 37 1.0				F284M		1	6Ø	1391	Ø	1
KP1635+267B	16 37 1.0				F248M		1	6Ø	1391	Ø	1
KP1635+267B	16 37 1.0				F551W		1	120	1391	Ø	1
KP1635+267B	16 37 1.0			Ø.4-D	F14ØLP		1	6Ø	1391	Ø	1
KP1635+267B	16 37 1.0	9 26 36 9* HSP/PO	L STAR-SKY	POL135	F277M		1	8Ø	1391	Ø	44
KP1635+267B	16 37 1.0	9 26 36 9* HSP/UV	2 STAR-SKY	Ø.4-D	F14ØLP		1	120	1391	Ø	13
1634.9+267	16 37 1.6	3 26 36 9 WFC	IMAGE	ALL	F555W		1	26Ø	1116	1	1
1634.9+267	16 37 1.6	3 26 36 9 WEC	IMAGE	ALL	F725LP		1	3Ø4	1116	1	1
1634.9+267	16 37 1.6	3 26 36 9 WFC	IMAGE	ALL	F725LP		1	1444	1116	1	1
Q1635+267	16 37 1.6	3 26 36 7 FOC/96	IMAGE	512X512	F342W		1	1800	1Ø59	1	1
KP1635+267A	16 37 1.6	3 26 36 5 HSP/UV	2 PEAKUP	10.0	F14ØLP		1	60	1391	Ø ACQ	4
KP1635+267A	16 37 1.6			10.0	F16ØLP		1	6Ø	1391	Ø ACQ	1
KP1635+267A	16 37 1.6		L STAR-SKY		F277M		1	8Ø	1391	Ø	44
KP1635+267A	16 37 1.6				F277M		1	8Ø	1391		44
KP1635+267A	16 37 1.6				F277M		1	8Ø	1391	Ø	. 44
KP1635+267A	16 37 1.6				F284M		1	6Ø	1391	Ø	1
KP1635+267A	16 37 1.6				F248M		1	8Ø	1391	Ø	1
KP1635+267A	16 37 1.6				F551W		1	6Ø	1391		1
KP1635+267A	16 37 1.6	3 26 36 5 HSP/UV			F14ØLP		1	6Ø	1391	Ø	14
KP1635+267A	16 37 1.6		L STAR-SKY		F277M	40	1	8Ø	1391	Ø	44
HD149757	16 37 9.5		ACCUM	Ø.25	ECH-A	137Ø	1	6Ø	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25	ECH-A	175Ø	1	6ø	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25	G16ØM	1400	12	5	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25	G16ØM	1240	12	5	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25	G16ØM	1340	12	5	1211	3	1
HD149757	_	5 -1Ø 34 2 HRS	ACCUM	Ø.25	G16ØM	137Ø	12	5	1211	3	1
HD149757		5 -1Ø 34 2 HRS	ACCUM	Ø.25	G16ØM	175Ø	12	5	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25	ECH-A	1715	1	60	1211	3	1
HD149757	16 37 9.5		ACCUM	Ø.25 Ø.25	ECH-A ECH-A	1242 1342	1 1	6Ø 6Ø	1211 1211	3 3	1
HD149757	16 37 9.5		ACCUM	Ю.25 Ø.25	ECH-A	1342 1718	1	6Ø	1211	-	1
HD149757	16 37 9.5		ACCUM ACCUM	Ø.25 Ø.25	G16ØM	1718	12	90 5	1211	3 3	1
HD149757	16 37 9.5		ACCUM	Ø.25 Ø.25	ECH-A	1290	12	378	1189	3 3	i
HD149757				Ø.25 Ø.25	ECH-A	1310	1	378	1189	_	i
HD149757	16 37 9.5		ACCUM ACCUM	Ø.25 Ø.25	ECH-B	2185	i	378	1189	3	1
HD149757	18 37 9.5		ACCUM	Ø.25 Ø.25	ECH-A	1222	i	378	1189	_	1
HD149757		5 -10 34 2 HRS			ECH-A	1222	1	378	1189		1
HD149757	16 37 9.5	5 -1Ø 34 2 HRS	ACCUM	Ø.25	ECH-A	1220	1	3/0	1103	J	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
HD149757	16 37 9.5	-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1241	1	378	1189	3			1
HD149757	16 37 9.5	-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1257	1	378	1189	3			ī
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1273	1	378	1189	3			ī
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1312	1	378	1189	3			ī
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1341	ī	378	1189	3			ī
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-B	1914	ī	378	1189	3			î
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-B	1768	ī	378	1189	3			i
HD149757		-10 34 2	HRS.	ACCUM	Ø.25	ECH-B	2241	ī	378	1189	3			i
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-B	2263	ī	378	1189	3		*	î
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-B	2269	i	378	1189	3			i
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-B	2313	i	378	1189	3			i
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-B	2344	i	378	1189	3			1
HD149757		-10 34 2	HRS	ACCUM	Ø.25 Ø.25	ECH-B	2576	i	378	1189	3			_
HD149757	16 37 9.5	_	HRS	ACCUM	Ø.25 Ø.25	ECH-B	2717	i	378	1189	3			1
HD149757	16 37 9.5	<del>-</del>	HRS						378	1189	•			1
				ACCUM	Ø.25	ECH-B	2889	1		_	3			1
HD149757			HRS	ACCUM	Ø.25	ECH-B	2324	2	60	1065	2			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-B	2312	4	120	1066	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1446	5	36Ø	1065	1			1
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1475	5	36Ø	1065	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1344	5	60	1065	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1366	5	60	1065	1			1
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1418	5	480	1065	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1227	5	120	1065	1			1
HD149757	16 37 9.5	_	HRS	ACCUM	Ø.25	ECH-A	1261	5	120	1065	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1279	5	6Ø	1065	1			1
HD149757	16 37 9.5		HRS	ACCUM	Ø.25	ECH-A	1341	4	12Ø	1066	1			1
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1244	5	12Ø	1065	1			1
HD149757		-10 34 2	HRS	ACCUM	Ø.25	ECH-A	1322	5	120	1065	1			1
3C343.1	16 38 28.1		F0C/96	IMAGE	512X512	F21ØM		1	600	1228	2			1
3C343.1	16 38 28.1		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C343.1	16 38 28.1		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1400	1	285	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	124Ø	1	2Ø5	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1725	1	33Ø	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1208	1	55Ø	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1337	1	2Ø5	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1377	1	285	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1557	1	33Ø	1161	2			1
HD149499B		-57 28 11	HRS	ACCUM	2.0	G16ØM	1647	1	33Ø	1161	2			1
HD149499B	16 38 30.8	-57 28 11	HRS	ACCUM	2.0	G16ØM	1264	1	2Ø5	1161	2			1
HD149499-B		-57 28 11	HRS	ACCUM	Ø.25	G16ØM	1335	1	45Ø	1214	3			1
HD149499-B	16 38 31.0	-57 28 11	HRS	ACCUM	Ø.25	G16ØM	1529	1	45Ø	1214	3			1
HD149499-B	16 38 31.0	-57 28 11	HRS	ACCUM	Ø.25	G16ØM	16Ø8	1	450	1214	3			1
INCA221-110-AST2	16 39 6.5	39 41 52	FGS	POS	2	F55ØW		1	12	1139	2	CON F	2AR	2
INCA221-11Ø-AST1	16 39 27.2	39 43 47	FGS	POS	2	F55ØW		1	8Ø	1139	2	CON F	AR	2
INCA221-11Ø-AST1	16 39 27.2	39 43 47	FGS	POS	2	F55ØW		1	200	1139	2	CON F	AR -	2
HD14973Ø	16 39 44.9	-56 59 40	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	10	1174	3			3
HD14973Ø	16 39 44.9	-56 59 40	HRS	ACCUM	Ø.25	G14ØL	1555	1	10	1174	3			3
INCA221-11Ø	16 40 3.9	39 45 33	PC	IMAGE	P8	F658N		1	12	1139	2	CON		2
1638+398INCA221-11Ø	16 40 29.8	39 46 46	PC	IMAGE	P8	F6Ø6W		1	8Ø	1139	2			2
1638+398INCA221-110	16 40 29.8	39 46 46	PC	IMAGE	P8	F6Ø6W		ī	8Ø	1139	2	CON		2
1638+398INCA221-11Ø	16 40 29.8	39 46 46	PC	IMAGE	P8	F725LP		1	8Ø	1139	2			2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Tot Lin	
1638+398INCA221-11Ø	16 40 29.8	39 46 46	PC	IMAGE	P8	F725LP		1	200	1139	2	CON	•	2
NGC62Ø5	16 41 40.6		PC	IMAGE	ALL	F547M		1	100	1052	Ø	ACQ		1
NGC62Ø5	16 41 40.6		PC	IMAGE	ALL	F23ØW		1	25Ø	1052	Ø	ACQ		1
NGC82Ø5	16 41 40.6		PC	IMAGE	ALL	F336W		1	13Ø	1052	Ø	ACQ		1
NGC6205-OFFSET-STAR	16 41 40.6		•	ACQ/BINA		MIRROR		1	5	1052	1	•	CON	1
NGC62Ø5-STAR1	18 41 40.6		. • .	IMAGE	4.3	PRISM		1	400	1Ø52	1	CON		1
NGC62Ø5-STAR1	16 41 40.6		•	ACCUM	Ø.3	G16ØL		_	1300	1052	1	CON		1
NGC82Ø5-STAR2	16 41 40.6		_ ·	IMAGE	4.3	PRISM		1	400	1052	1	CON		1
NGC62Ø5-STAR2	16 41 40.6		•	ACCUM	Ø.3	G16ØL		_	1300	1052	1	CON		1
M13-123-NORTH	16 41 41.4			IMAGE	ALL	F555W		1	100	1112	2			1
M13-123-NORTH	16 41 41.4			IMAGE	ALL	F555W		1	600	1112	2			1
M13-123-NORTH	16 41 41.4			IMAGE	ALL	F555W		2	600	1112	2			1
M13-123-NORTH	16 41 41.4			IMAGE IMAGE	ALL ALL	F785LP F785LP		1	400 400	1112 1112	2			1
M13-123-NORTH	18 41 41.4 16 41 41.5		PC	IMAGE	ALL	F555W		1	8	1019	2			1
NGC62Ø5 NGC62Ø5	16 41 41.5		PC	IMAGE	ALL	F785LP		i	8	1019	2			i
M13-400-SOUTH	16 41 41.7			IMAGE	ALL	F555W		1	100	1112	2			i
M13-400-SOUTH	18 41 41.7			IMAGE	ALL	F555W		i	300	1112	2			ī
M13-400-SOUTH	16 41 41.7			IMAGE	ALL	F555W		_	1600	1112	2			ī
M13-400-SOUTH	16 41 41.7		_	IMAGE	ALL	F785LP		i	100	1112	2			î
M13-400-SOUTH	16 41 41.7			IMAGE	ALL	F785LP		ī	300	1112	2			ī
M13-400-SOUTH	16 41 41.7			IMAGE	ALL	F785LP		_	1600	1112	2			ī
BARNARD29	16 41 50.8		HRS	ACCUM	2.0	G27ØM	2590	ī	300	1165	2			1
BARNARD29	16 41 50.8		HRS	ACCUM	2.0	G27ØM	2800	1	300	1165	2			1
BARNARD29	16 41 50.8	3Ø 27 21	HRS	ACCUM	2.0	G16ØM	1540	3	300	1165	2			1
BARNARD29	16 41 50.8	3Ø 27 21	HRS	ACCUM	2.0	G16ØM	125Ø	4	300	1165	2			1
BARNARD29	16 41 50.8	30 27 21	HRS	ACCUM	2.0	G16ØM	1319	3	300	1165	2			1
INCA221-167-AST1	16 42 51.5	39 37 41	FGS	P0\$	2	F55ØW		1	8	1139	2	CON F	PAR	2
INCA221-167-AST1	16 42 51.5		FGS	POS	2	F55ØW		1	26	1139	2	CON F	PAR	2
3C345	16 42 58.8		PC.	IMAGE	ALL	F128LP		_	1416	1032	1	ACQ		1
3C345	16 42 58.8		PC	IMAGE	ALL	F85ØLP		_	1416	1032	1	ACQ		1
3C345	16 42 58.8		FOS/RD	ACCUM	Ø.5	G65ØL		1	56Ø	1032	2	CON S		1
3C345	16 42 58.8		FOS/RD	ACCUM	Ø.5	PRISM		1	56Ø	1032	2	CON		1
3C345	16 42 58.8		FOS/RD	ACQ/BINA		MIRROR		1	4	1032	2		CON	1
3C345	16 42 58.8		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL			5106	1032	2		SEL	1
3C345	16 42 58.8		FOS/RD FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM MIRROR			51Ø6 2Ø	1032	2	CON S		1 1
3C345	16 42 58.8	:: ::		ACCUM	Ø.7X2.Ø-BAR Ø.7X2.Ø-BAR	G65ØL	85ØØ	1 1	26 1416	1Ø32 1Ø32	2 1	ACQ (	CON	2
SKY6	16 42 58.8		F0C/98	IMAGE	512X512	F43ØW	ששפס		1800	1234	ø	FAR		1
3C345 3C345	16 42 58.8 16 42 58.8		F0C/98	IMAGE	512X512	F342W		_	1800	1234	2			i
3C345	16 42 58.8		F0C/48	SPEC	256X1Ø24-SLIT			_	9000	1234	1	CON		ī
3C345	16 42 58.8		WFC	IMAGE	ALL	F555W		1	16	1118	i	COIT		î
3C345	16 42 58.8	77 11 11	WFC	IMAGE	ALL	F725LP		ī	11	1116	ī			ī
3C345	16 42 58.8		F0C/98	IMAGE	512X512	F19ØM		î	600	1228	2			ī
3C345	16 42 58.8		WFC	IMAGE	ALL	F725LP		i	169	1116	ī			ī
3C345	16 42 58.8		WFC	IMAGE	ALL	F725LP		_	1359	1116	ī			ī
3C345	16 42 58.8		F0C/48	IMAGE	512X512	F18ØLP		ī	600	1228	2	CON		ī
3C345	16 42 58.8		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		1
3C345	16 42 58.8		HSP/UV2	STAR-SKY		F14ØLP		ĺ	6Ø	1099	1			10
3C345	16 42 58.8		HSP/POL	STAR-SKY		F216M		1	66	1Ø99	1			6
3C345	16 42 58.8		HSP/POL	STAR-SKY	POLØ	F277M		1	66	1099	1			4
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY	POL45	F216M		1	66	1Ø99	1			6

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Target	RA (2ØØØ)	Dec (2000)	Inst. ( Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY	POL45	F277M		1	66	1ø99	1			4
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY		F216M		1	66	1099	ī			6
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY		F277M		1	66	1099	1			4
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY	P0L135	F216M		1	66	1099	1		(	6
3C345	16 42 58.8	39 48 37	HSP/POL	STAR-SKY	P0L135	F277M		1	66	1099	1			4
1641+399INCA221-167	16 42 58.8	39 48 37	PC	IMAGE	P8	F6Ø6W		1	8	1139	2		:	2
1641+399INCA221-167	16 42 58.8	39 48 37	PC	IMAGE	P8	F6Ø6W		1	8	1139	2	CON		2
1841+399INCA221-167	16 42 58.8	39 48 37	PC	IMAGE	P8	F725LP		1	8	1139	2			2
1641+399INCA221-167	16 42 58.8	39 48 37	PC	IMAGE	P8	F725LP		1	26	1139	2	CON		2
INCA221-167-AST2	16 43 Ø.5	39 45 28	FGS	POS	2	F55ØW		1	4	1139	2	CON		2
INCA221-167	16 43 38.3	39 55 5	PC.	IMAGE	P8	F658N		1	4	1139	2	CON		2
3C346	16 43 48.7	17 15 49	F0C/96	IMAGE	512X512	F14ØM		1	600	1228	2			1
3C346	16 43 48.7	17 15 49	F0C/98	IMAGE	512X512	F32ØW		1	300	1228	2			2
3C346	16 43 48.7	17 15 49	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2			1
3C346	16 43 48.7	17 15 49	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C346	16 43 48.7	17 15 49	F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		1
NGC8218	18 47 14.5	-1 56 52	PC	IMAGE	ALL	F555W		1	12	1019	2			1
NGC6218	16 47 14.5	-1 56 52	PC	IMAGE	ALL	F785LP	1000	1	12	1019	2			1
HD150798 HD150798	16 48 39.9		HRS	ACCUM	2.0	G2ØØM	1900		1500	1179	1			1
HD150798	16 48 39.9		HRS	ACCUM	2.Ø 2.Ø	G14ØL G14ØL	13Ø4 1574	1 1	55Ø	1179	1			1
HD150798	16 48 39.9 16 48 39.9		HRS HRS	ACCUM ACCUM	2.0	G14ØL G16ØM	1554		. 55Ø 264Ø	1179 1179	1			1
HD150798	16 48 39.9		HRS	ACCUM	2.0	ECH-B2Ø	2799	i	300	1179	1			1 1
HERCULES-A	16 51 8.2	4 59 33	F0C/96	IMAGE	512X512	F32ØW	2133	i	300	1228	2			1
HERCULES-A	16 51 8.2	4 59 33	F0C/98	IMAGE	512X512	F37ØLP		i	300	1228	2			1
HERCULES-A	16 51 8.2	4 59 33	F0C/48	IMAGE	512X512	F18ØLP		ī	600	1228	2	CON		i
HERCULES-A	16 51 8.2	4 59 33	F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON		ī
HD1518Ø4	16 51 33.7		HSP/UV2	PRISM	1.0	F262M/F145M			1800	1095	ī			2
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1252	1	29	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	153Ø	1	66	1071	1			ī
HD15189Ø	16 51 52.3	-38 2 50	HRS	WSCAN	Ø.25	ECH-B	2370	1	16	1071	1			1
HD15189Ø	16 51 52.3	-38 2 50	HRS	WSCAN .	Ø.25	ECH-A	1356	1	62	1071	1			1
HD15189Ø	16 51 52.3	-38 2 50	HRS	WSCAN	Ø.25	ECH-A	1558	1	62	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1240	1	36	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	26	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1334	1	36	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1392	1	72	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1191	1	19	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-A	1547	1	75	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	29	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-B	1826	1	33	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-B	2024	1	19	1071	1			1
HD15189Ø	16 51 52.3	-38 2 50	HRS	WSCAN	Ø.25	ECH-B	2324	1	52	1071	1			1
HD15189Ø	16 51 52.3		HRS	WSCAN	Ø.25	ECH-B	2602	1	26	1071	1			1
NGC624Ø NGC624Ø	16 52 58.9	2 24 1	F0C/96	IMAGE	512X512	F502M	4950	_	3000	1231	1			1
NGC624Ø	16 52 58.9 16 52 58.9	2 24 1	F0C/96	IMAGE	512X512 512X512	F41ØM F47ØM	4100 4725		1600	1231	1			1
MRK5Ø1	16 52 58.9 16 53 52.2	2 24 1 39 45 37	FOC/96 FOS/BL	IMAGE ACCUM	Ø.5	G16ØL	4725 1725		4000	1231	1			1
MRK5Ø1	16 53 52.2 16 53 52.2	39 45 37 39 45 37	FOS/BL	ACCUM	Ø.5 Ø.5	PRISM	3675	_	1440	1029	2			2
MRK5Ø1	16 53 52.2	39 45 37 39 45 37	FOS/BL	ACCUM	Ø.5	G13ØH	1379		144Ø 15ØØ	1029	2			1
MRK5Ø1	16 53 52.2	39 45 37	FOS/RD		Ø.7X2.Ø-BAR	MIRROR	1313	1	1500	1029 1029	2 2	ACO		1 1
MRK5Ø1	16 53 52.2		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337		1500	1029		ACQ		1
		JJ 40 01	. 00/ ND	YOU OW	Unit		555,	-	7000	エシとう	4			-

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Tanada	DA (2000)	Inst.	Operating		Spectra !	Central		Exp.	70	_	Spec.	Total
Target	RA (2000)	Dec (2000) Config	. Mode	Aperture	Element	Wave.	Exp	. Time	ID	Cy.	Req.	Lines
MRK5Ø1-FIELD	16 53 52.2	2 39 45 37 WFC	IMAGE	ALL	F439W	4353	1	15	1029	2	ACQ	1
MRK5Ø1-OFFSET	16 53 52.2	2 39 45 37* FOS/BL	. ACQ/BINA	4.3	MIRROR		1	11	1029		ACQ	1
MRK5Ø1-OFFSET	16 53 52.2				MIRROR		1	11	1029		ACQ	ĩ
MKN5Ø1	16 53 52.3	39 45 37 HSP/U\		1.0	F14ØLP		1	60	1099	2		1ø
MKN5Ø1	16 53 52.3			POLØ	F216M		1	6Ø	1099			4
MKN5Ø1	16 53 52.3	39 45 37 HSP/PC		POLØ	F277M		1	6Ø	1099	2		11
MKN5Ø1	16 53 52.3			10.0	F14ØLP		1	6Ø	1099		ACQ	10
MKN5Ø1	16 53 52.3			POL45	F216M		1	60	1099	2	•	4
MKN5Ø1	16 53 52.3	39 45 37 HSP/PC		POL45	F277M		1	6Ø	1099	2		11
MKN5Ø1	16 53 52.3	3 39 45 37 HSP/PC	L SINGLE	POL9Ø	F216M		1	6Ø	1099	2		4
MKN5Ø1	16 53 52.3			POL9Ø	F277M		1	6Ø	1099	2		11
MKN5Ø1	16 53 52.3	39 45 37 HSP/PC		POL135	F216M		1	6Ø	1099	2		4
MKN5Ø1	16 53 52.3			P0L135	F277M		1	6Ø	1099	2		11
HD152236	16 53 59.7	/ -42 21 43 HSP/U\		1.0	F262M/F145M		1	1800	1Ø95	1		2
HD1524Ø8	16 54 58.4		ACCUM	Ø.25	G16ØM	1390	1	60	1152	2		2
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	G16ØM	1235	1	60	1152	2		2
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	G16ØM	1544	1	6Ø	1152			2
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-B	2324	2	300	1065	2		1
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1446	5	720	1065	2		1
HD1524Ø8	18 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1301	5	48Ø	1Ø65	2	CON S	EL 1
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1418	5	720	1065	2	CON S	EL 1
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1261	5	48Ø	1065	2	CON S	EL 1
HD1524Ø8	16 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1366	5	720	1Ø65	2	CON S	
HD1524Ø8	18 54 58.4	-41 9 3 HRS	ACCUM	Ø.25	ECH-A	1279	5	48Ø	1Ø65	2		EL 1
WOLF-63Ø	16 55 28.9	-8 2Ø 1Ø HRS	ACCUM	SC2	G16ØM	136Ø	1	10	1159	1	CAL	1
W0LF-63Ø	16 55 28.9	-8 20 10 HRS	RAPID	2.0	G16ØM	136Ø	1	1643	1159	1		1
VB8	16 55 31.0	5 -8 19 44 WFC	IMAGE	W2	F6Ø6W		1	10	1109	1		8
VYS782-C	16 55 35.5	5 -8 23 39 FOC/96	IMAGE	512X512	F372M		1	600	1274	Ø		1
HD152667	16 56 36.0	5 -40 49 25 HSP/U\	2 SINGLE	1.0	F145M		1	2Ø	1097	3		1
HD152667	16 56 36.0	5 -40 49 25 HSP/U\	2 SINGLE	1.0	F184W		1	20	1Ø97	3		1
HD152667	16 56 38.0	5 -40 49 25 HSP/U\	2 SINGLE	1.0	F248M		1	20	1Ø97	3		10
HD152687	18 56 38.0	5 -40 49 25 HSP/U\	2 SINGLE	1.Ø	F284M		1	2Ø	1Ø97	3		1
HD152667	16 56 36.0	5 -4 <b>0 49 25 HSP/P</b> 0		6.Ø	F16ØLP		1	6Ø	1Ø97	3	ACQ	1
HD152667	16 56 36.0	5 -40 49 25 HSP/PC	L SINGLE	POLØ	F216M		1	3Ø	1Ø97	3		1
HD152667		5 -4Ø 49 25 HSP/PO		POLØ	F237M		1	ЗØ	1Ø97	3		1
HD152667		5 –40 49 25 HSP/PC		POLØ	F277M		1	3Ø	1Ø97	3		10
HD152667		5 -40 49 25 HSP/PC		POLØ	F327M		1	3Ø	1097	3		1
HD152667		7 -40 49 25 HSP/U\		10.0	F14ØLP		1	6Ø	1Ø97	3	ACQ	1
HD152687		5 -40 49 25 HSP/U\		10.0	F14ØLP		1	60	1Ø97	3	ACQ	9
HD152667		7 -40 49 25 HSP/PC		POL45	F216M		1	3Ø	1Ø97	3		1
HD152667		7 –40 49 25 HSP/PC		POL45	F237M		1	3Ø	1097	3		1
HD152667		5 <b>-</b> 4Ø 49 25 HSP/PC		POL45	F277M		1	3Ø	1Ø97	3		10
HD152667		7 -4Ø 49 25 HSP/PC		POL45	F327M		1	3Ø	1097	3		1
HD152667		-4Ø 49 25 HSP/PC		POL9Ø	F216M		1	3Ø	1Ø97	3		1
HD152667		-40 49 25 HSP/PC		POL9Ø	F237M		1	3Ø	1Ø97	3		1
HD152687		-40 49 25 HSP/PC		POL9Ø	F277M		1	3Ø	1Ø97	3		10
HD152667		-40 49 25 HSP/PC		POL9Ø	F327M		1	3Ø	1097	3		1
HD152667		-40 49 25 HSP/PC		P0L135	F216M		1	3Ø	1097	3		1
HD152687		-40 49 25 HSP/PC		P0L135	F237M		1	3Ø	1Ø97	3		1
HD152667		5 -40 49 25 HSP/PC		POL135	F277M		1	3Ø	1Ø97	3		10
HD152687		-40 49 25 HSP/PC		P0L135	F327M		1	3Ø	1097	3		1
HD152667	16 56 36.0	5 -40 49 25 HSP/U\	1 STAR-SKY	1.Ø-B	F22ØW		1	60	1Ø97	3		1

Target	RA (2000)		Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines
HD152667	16 56 36.6	5 -4Ø 49 25	HRS	ACCUM	Ø.25	G16ØM	1170	1	6Ø	1152	2		3
HD152667	16 56 36.6	7 -40 49 25	HRS	ACCUM	Ø.25	G16ØM	1390	1	6Ø	1152	2		3
HD152667	16 56 36.6	7 -40 49 25	HRS	ACCUM	Ø.25	G16ØM	1545	1	6Ø	1152	2		3
NGC8254	16 57 9.6	5 <b>-4</b> 5 57	PC	IMAGE	ALL	F555W		1	10	1019	2		1
NGC6254	16 57 9.6	<b>–4 5 57</b> 1	PC	IMAGE	ALL	F785LP		1	10	1019	2		1
HZ-HER	16 57 49.8	35 2Ø 33	F0S/BL	ACCUM	1.0	G13ØH		1	8ØØ	1051	2		2
HZ-HER	16 57 49.8	35 2Ø 33	FOS/BL	ACCUM	1.0	G19ØH		1	8ØØ	1051	2		1
HZ-HER	16 57 49.8	35 2Ø 33	F0S/BL	ACCUM	1.0	G27ØH		1	8ØØ	1051	2		2
HZ-HER	16 57 49.8		F0S/BL	PERIOD	1.0	G16ØL		1	3999	1051	2		1
HZ-HER	16 57 49.8		F0S/BL	ACQ/BINA	4.3	MIRROR		1	Ø	1051	2	ACQ	1
HER-X-1	16 57 49.8		HSP/UV1	SINGLE	1.0	F135W		1	2000	1091	1		1
NGC8258	16 59 32.6		F0C/96	IMAGE	512X512	F43ØW		2	600	128Ø	3		1
NGC6256-OUTER	16 59 32.6		WFC	IMAGE	ALL	F555W		1	48Ø	128Ø	1	PAR	1
NGC6256-OUTER	16 59 32.6		WFC	IMAGE	ALL	F785LP		1	72Ø	128Ø	1	PAR	1
PG17ØØ+518	17 1 24.9		WFC	IMAGE	ALL	F7Ø2W		1	400	1Ø15	Ø		1
PG17ØØ+518	17 1 24.9		WFC	IMAGE	ALL	F7Ø2W			1600	1015	Ø		1
SKY-BG12	17 1 24.9		FOS/RD	ACCUM	1.0	G65ØL	6232		2000	1Ø15	1	PAR	1
PG17ØØ+518	17 1 24.9		F0C/96	IMAGE	512X512	F152M			1080	1145	1		1
PG1700+518	17 1 24.9		F0C/96	IMAGE	512X512	F231M		1	420	1145	1		1
PG1700+518	17 1 24.9		FOS/BL	ACQ/BINA		MIRROR		1	11	1145	1	ACQ	1
PG17ØØ+518	17 1 24.9		FOS/BL	ACCUM	1.0	G19ØH	1944		18ØØ	1145	1		1
PG1700+518	17 1 24.9		PC	IMAGE	ALL	F128LP		1	7Ø8	1032	2	ACQ	1
PG17ØØ+518	17 1 24.9		PC	IMAGE	ALL	F725LP		1	7Ø8	1032	2	ACQ	_ 1
PG17ØØ+518	17 1 24.9		FOS/RD	ACCUM	Ø.5	G65ØL		1	28Ø	1032	2	CON S	
PG17ØØ+518	17 1 24.9		FOS/RD	ACCUM	Ø.5	PRISM		1	28Ø	1032	2	CON S	
PG17ØØ+518	17 1 24.9		FOS/RD	ACQ/BINA		MIRROR		1	2	1032	2	ACQ C	
PG1700+518	17 1 24.9		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL			2553	1032	2	CON S	
PG1700+518	17 1 24.9		FOS/RD FOS/RD	ACCUM	Ø.7X2.Ø-BAR Ø.7X2.Ø-BAR	PRISM			2553	1032	2	CON S	
PG17ØØ+518 SKY11	17 1 24.9 17 1 24.9		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	MIRROR G65ØL	8500	1	10	1032	2	ACQ C	ON 1 2
PG17ØØ+518	17 1 24.8		F0C/98	IMAGE	512X512	F43ØW	ששפס	1	7Ø8	1Ø32 1234	2	PAR	1
PG1700+518	17 1 24.9		F0C/96	IMAGE	512X512 512X512	F342W		_	1800	1234	Ø 2		1
PG1700+518	17 1 24.9		FOS/BL	ACQ/BINA		MIRROR		1 1	18ØØ 9	1018	1	ACQ	1
PG1700+518	17 1 24.9		FOS/BL	ACCUM	1.0	G13ØH	1379	_	15ØØ	1018	1	ACQ	1
GX339-4			HSP/POL	PEAKUP	6.0	F16ØLP	13/3	i	6Ø	1097	i	ACQ	i
GX339-4			HSP/VIS	SINGLE	1.0	F16ØLP		3	600	1094	i	vcd	i
GX339-4			HSP/UV1	PEAKUP	10.0	F14ØLP		1	60	1097	ī	ACQ	i
GX339-4			HSP/UV2	PEAKUP	10.0	F14ØLP		i	6Ø	1097	î	ACQ	3
GX339-4			HSP/POL	STAR-SKY		F277M		i	33	1097	ī	noq	40
GX339-4			HSP/POL	STAR-SKY		F277M		i	33	1097	ī		40
GX339-4			HSP/POL	STAR-SKY		F277M		ī	33	1097	ī		40
GX339-4			HSP/UV1	STAR-SKY		F22ØW		î	120	1097	ī		1
GX339-4			HSP/UV2	STAR-SKY		F145M		ī	120	1097	ī		ĭ
GX339-4			HSP/UV2	STAR-SKY		F284M		1	120	1097	1		ī
GX339-4			HSP/UV2	STAR-SKY		F184W		ī	120	1097	ī		ī
GX339-4			HSP/UV2	STAR-SKY		F248M		ī	120	1097	ī		4
GX339-4			HSP/POL	STAR-SKY	P0L135	F277M		ī	33	1097	1		40
HD153919			HSP/UV1	SINGLE	1.0	F22ØW		ī	2Ø	1097	ø		1
HD153919			HSP/UV2	SINGLE	1.0	F145M		ī	20	1097	Ø		1
HD153919	17 3 58.7	7 -37 5Ø 39	HSP/UV2	SINGLE	1.0	F184W		1	20	1097	Ø		1
HD153919			HSP/UV2	SINGLE	1.Ø	F248M		ī	20	1097	Ø		10
HD153919	17 3 56.7	7 -37 5Ø 39	HSP/UV2	SINGLE	1.0	F284M		1	20	1097	Ø		1

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Target	RA (2000) Dec (2	Inst. 1999) Config	Operating . Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	cy.	pec. Req.	Total Lines
HD153919	17 3 56.7 -37 5	Ø 39 HSP/PO	_ PEAKUP	6.0	F16ØLP		1	6Ø	1ø97	Ø	ACQ	1
HD153919	17 3 56.7 -37 5			POLØ	F216M		1	3Ø	1097	ø		ī
HD153919	17 3 56.7 -37 5			POLØ	F237M		1	3Ø	1097	ø		ī
HD153919	17 3 56.7 -37 5			POLØ	F277M		1	3Ø	1097	Ø		1ø
HD153919	17 3 56.7 -37 5			POLØ	F327M		1	3Ø	1097	Ø		1
HD153919	17 3 56.7 -37 5		ACCUM	Ø.25	G16ØM	139ø	1	60	1152	2		3
HD153919	17 3 58.7 -37 5	Ø 39 HSP/UV:		10.0	F14ØLP		1	6Ø	1097	Ø	ACQ	1
HD153919	17 3 56.7 -37 5			10.0	F14ØLP		1	6Ø	1097		ACQ	9
HD153919	17 3 56.7 -37 5			POL45	F216M		1	3Ø	1097	Ø	•	1
HD153919	17 3 58.7 -37 5			POL45	F237M		1	3Ø	1097	Ø		1
HD153919	17 3 56.7 -37 5	Ø 39 HSP/POL	SINGLE	POL45	F277M		1	3Ø	1097	Ø		10
HD153919	17 3 58.7 -37 5	Ø 39 HSP/POI	SINGLE	POL45	F327M		1	3Ø	1097	Ø		1
HD153919	17 3 56.7 -37 5	Ø 39 HSP/POL	SINGLE	POL9Ø	F216M		1	3Ø	1Ø97	Ø		1
HD153919	17 3 56.7 -37 5	Ø 39 HSP/POI	SINGLE	POL9Ø	F237M		1	3Ø	1Ø97	Ø		1
HD153919	17 3 56.7 -37 5	Ø 39 HSP/PO	SINGLE	POL9Ø	F277M		1	3Ø	1097	Ø		10
HD153919	17 3 56.7 -37 5	Ø 39 HSP/POI	SINGLE	POL9Ø	F327M		1	3Ø	1097	Ø		1
HD153919	17 3 56.7 -37 5	Ø 39 HRS	ACCUM	Ø.25	G16ØM	1235	1	60	1152	2		3
HD153919	17 3 56.7 -37 5	Ø 39 HSP/POI		POL135	F216M		1	3Ø	1Ø97	Ø		1
HD153919	17 3 58.7 -37 5			P0L135	F237M		1	3Ø	1097	Ø		1
HD153919	17 3 56.7 -37 5			POL135	F277M		1	3Ø	1097	Ø		10
HD153919	17 3 58.7 -37 5			POL135	F327M		1	3Ø	1Ø97	Ø		1
HD153919	17 3 56.7 -37 5		ACCUM	Ø.25	G16ØM	1544	1	6Ø	1152	2		3
3C351	17 4 41.3 60 4		IMAGE	512X512	F43ØW			1800	1234	1		1
3C351		4 3Ø FOC/96	IMAGE	512X512	F342W			1800	1234	3		1
3C351.Ø		4 28 FOS/RD	ACQ/BINA		MIRROR		1	11	1025	_		1
3C351.Ø		4 28 F0S/BL	ACQ/BINA		MIRROR		1	11	1025		ACQ	1
3C351.Ø		4 28 FOS/RD	ACQ/BINA		MIRROR	1000	1	11	1025		ACQ	1
3C351.Ø		4 28 FOS/RD	ACCUM	1.0	G19ØH	1980	1	900	1025	2		1
3C351.Ø		4 28 FOS/BL	ACCUM	1.0	G13ØH	1379	1	900	1025		ACQ	1
3C351.Ø		4 28 FOS/RD	ACCUM	1.0	G27ØH	2753	1 .	300	1025		ACQ	1
V2Ø51-OPH		8 29 HSP/UV		1.0	F135W			7200	1092	1		4
3C352		1 29 WFC	IMAGE	ALL	F555W F785LP		-	2700	1070	1		1
3C352		1 29 WFC	IMAGE	ALL				2700	1070	1		1
NGC83Ø2 NGC83Ø2	— · · · · · · · · · · · · · · · · · · ·	6 11 FOC/96	IMAGE	512X512 512X512	F130M F210M		1 1	48Ø 48Ø	1254 1254	2 2		1
NGC6302 NGC6302		6 11 FOC/96	IMAGE IMAGE	512X512 512X512	F278M		1	480	1254	2		1 1
M92		6 11 FOC/98 8 11 PC	IMAGE	P6	F336W		i	20	1112	1		_
M92			IMAGE	P6	F336W		1	100	1112	1		1 1
M92		8 11 PC 8 11 PC	IMAGE	P6	F336W		i	800	1112	1		1
NGC8341		8 12 PC	IMAGE	ALL	F555W		i	8	1019	2		î
NGC6341		8 12 PC	IMAGE	ALL	F785LP		i	8	1019	2		i
PG1718+481		4 13 HRS	ACCUM	2.0	G27ØM	2600		492Ø	1143	3		i
PG1718+481		4 13 HRS	ACCUM	2.0	G27ØM	2075		468Ø	1143	3		i
PG1718+481		4 13 FOS/RD	ACQ/BINA		MIRROR	2010	i	11	1025	_	ACQ	i
PG1718+481		4 13 F0S/RD	ACQ/BINA		MIRROR		i	11	1142	1	ACQ	1
PG1718+481		4 13 FOS/RD	ACCUM	1.0	G27ØH	2753	i	900	1025	2	~~ <b>q</b>	1
PG1718+481		4 13 FOS/RD	ACCUM	1.0	G19ØH	198ø		1800	1142	1		1
PG1718+481		4 13 HRS	ACCUM	2.0	G2ØØM	195ø		8179	1143	3		i
PG1718+481		4 13 FOS/RD	ACCUM	1.Ø-PAIR-A	G19ØH	1980	î '	540	1142	1		i
PG1718+481		4 13 F0S/RD	ACCUM	1.Ø-PAIR-A	G27ØH	2753	î	48Ø	1142	i		i
PG1718+481		4 13 F0S/RD	ACCUM	1.Ø-PAIR-B	G19ØH	1980	i	54Ø	1142	i		1
PG1718+481		4 13 F0S/RD	ACCUM	1.Ø-PAIR-B	G27ØH	2753	i	480	1142			i
. 01 L TO 440 T	11 12 30.3 48	- TO LOOVED	ACCOM	T.S. VIV.D	GZ / DII	2100	-	700	1142	4		

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
POINT-CP6.1		-33 39 36	s/c	POINTING	V1			1	ø	1014	1		1
POINT-CP8.2	17 20 10.4		S/C	POINTING				1	Ø	1014	2	CON	1
DRACO-171922+5757	17 20 10.6		WFC	IMAGE	ALL	F555W		1	200	1110	3		1
DRACO-171922+5757	17 20 10.6		WFC	IMAGE	ALL	F555W		1	2000	1110	3		1
DRACO-171922+5757 DRACO-171922+5757	17 20 10.6 17 20 10.6	_	WFC WFC	IMAGE IMAGE	ALL ALL	F785LP		1 1	200 1700	111Ø 111Ø	3 3		1
NGC6342		-19 35 14	FOC/96	IMAGE	512X512	F785LP F43ØW		2	600	1280	3		1
NGC6342-OUTER		2 -19 35 14	WFC	IMAGE	ALL	F555W		1	48Ø	1280	1	PAR	i
NGC6342-OUTER	17 21 10.2		WFC	IMAGE	ALL	F785LP		ī	720	1280	î	PAR	ī
HD156359	17 21 18.8		HRS	ACCUM	2.0	G16ØM	1540	ī	60	1165	ī		ī
HD156359	17 21 18.8		HRS	ACCUM	2.0	G16ØM	1660	ī	6Ø	1165	1		ī
HD156359	17 21 18.8	8 -62 55 5	HRS	ACCUM	2.0	G16ØM	1810	1	6Ø	1165	1		1
HD156359	17 21 18.8	-62 55 5	HR\$	ACCUM	2.0	G16ØM	186Ø	1	6Ø	1165	1		1
HD156359	17 21 18.8	-62 55 5	HRS	ACCUM	2.0	G27ØM	236Ø	1	6Ø	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	G27ØM	259Ø	1	6Ø	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	G27ØM	2800	1	6Ø	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	G27ØM	285Ø	1	60	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-B	2370	1	180	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-B	2600	1	180	1165	1		1
HD156359 HD156359	17 21 18.8 17 21 18.8		HRS HRS	ACCUM	2.0	G16ØM	1160	1 1	18Ø 6Ø	1165 1165	1		1
HD156359	17 21 18.8		HRS	ACCUM ACCUM	2.Ø 2.Ø	G27ØM ECH-B	2 <b>0</b> 45 2325	1	18Ø	1165	1		1
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-A	1241	2	300	1165	1		i
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-A	1402	ī	420	1165	î		ī
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-A	1353	ī	420	1165	ī		ī
HD156359	17 21 18.8		HRS	ACCUM	2.0	ECH-A	1391	ī	420	1165	1		ī
HD156359	17 21 18.8	-62 55 5	HRS	ACCUM	2.0	ECH-A	1549	1	420	1165	1		1
HD156359	17 21 18.8	-62 55 5	HRS	WSCAN	2.0	G16ØM	1292	1	540	1165	1		1
3C356	17 24 19.0		WFC	IMAGE	ALL	F622W		1	27ØØ	1070	1		1
3C356	17 24 19.0		WFC	IMAGE	ALL	F85ØLP			2700	1070	1		1
3C356	17 24 19.1		F0C/96	IMAGE	512X512	F342W		1	2000	1229	2		1
3C358	17 24 19.1		F0C/96	IMAGE	512X512	F43ØW	1000	1	2000	1229	2		1
HD157248		5 -56 22 39 5 -56 22 39	HRS HRS	ACCUM	Ø.25	ECH-A	1260	1	12Ø 12Ø	1168 1168	3 3		1 1
HD157246 HD157246		-56 22 39	HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A ECH-A	1275 1355	1	120	1168	3 3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-B	2325	ī	120	1168	3		i
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1476	î	120	1168	3		ī
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1477	ī	120	1168	3		ī
HD157248		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1478	ī	120	1168	3		ī
HD157248		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1276	1	120	1168	3		1
HD157246	17 25 23.5	-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1277	1	120	1168	3		1
HD157246		-58 22 39	HRS	ACCUM	Ø.25	ECH-A	1302	1	120	1168	3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1329	1	120	1168	3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1327	1	120	1168	3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1328	1	120	1168	3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1354	1	120	1168	3		1
HD157246		-58 22 39	HRS	ACCUM	Ø.25	ECH-A	1356	1	120	1168	3		1
HD157246		-56 22 39	HRS	ACCUM	Ø.25	ECH-A	1391	1	120	1168	3		1
HD157246		-56 22 39	HRS HRS	ACCUM	Ø.25	ECH-A	1392	1	120	1168	3		1
HD157246		5 -56 22 39 5 -56 22 39	HRS	ACCUM	Ø.25	ECH-A	1393	1	120	1168	3		1
HD157246 HD157246	17 25 23.5	-56 22 39 -56 22 39	HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-B ECH-B	2324 2326	1 1	12Ø 12Ø	1168 1168	3 3		1
110131270	11 20 20.0	, -50 22 33	IIIG	ACCOM	₩.Z0	ECH-D	2320	-	120	1100	3		

1 1 Xed 1a. gete													
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time			Spec. Req.	Total Lines
INCA221-114	17 27 11.2	2 5Ø 17 Ø	FGS	POS	2	F55ØW		1	51	1571	1		4
INCA221-114	17 27 11.2	2 5Ø 17 Ø	FGS	POS	2	F55ØW		1	51	1571			2
P0INT1727+5Ø2INCA221	17 27 13.3	3 50 5 17	S/C	POINTING	V1			1	Ø	1571	1		2
-114			•										
P0INT1727+5Ø2INCA221	17 27 13.3	3 5Ø 5 17	S/C	POINTING	V1			1	Ø	1571	2		1
-114													
TRZ2	17 27 34.1		F0C/96	IMAGE	512X512	F43ØW		2	600	128Ø			1
TRZ2-OUTER	17 27 34.1		WFC	IMAGE	ALL	F555W		1	48Ø	128Ø		PAR	1
TRZ2-OUTER	17 27 34.1		WFC	IMAGE	ALL	F785LP		1	72Ø	128Ø		PAR	1
1727+5Ø2INCA221-114	17 28 18.6		FGS	POS	2	F583W		1	51	1571	1		6
1727+5Ø2INCA221-114	17 28 18.6		FGS	POS	2	F583W		1	51	1571			3
HD159181	17 30 25.7		HRS	ACCUM	2.0	G16ØM	1550	1	1000	1178			1
HD159181	17 30 25.7		HRS	ACCUM	2.0	G2ØØM	1900	1	900	1176	_		1
HD159181	17 30 25.7		HRS	ACCUM	2.0	G2ØØM	1750	1	300	1176	_		1
HD159181	17 30 25.7		HRS	ACCUM	2.0	G14ØL	1304	1	300	1176	_		1
HD159181	17 30 25.7		HRS	ACCUM	2.0	G14ØL	1574	1	300	1176			1
KEPLERS-SNR		5 -21 29 23	WFC	IMAGE	ALL	F336W			1200	1098		4.00	1
KEPLERS-SNR		5 -21 29 23	WFC	IMAGE SINGLE	ALL Ø.4	F7Ø2W F16ØLP		1	1200	1098		ACQ	1
KEPLERS-SNR		5 -21 29 23 5 -21 29 23	HSP/VIS	ACCUM	Ø.4 Ø.3	G65ØL	6000	1	1200	1098		CON CON	2 1
KEPLERS-SNR		5 -21 29 23 8 -29 59 7	FOS/RD FOC/98	IMAGE	512X512	F43ØW	שששס	1 2	18ØØ 6ØØ	1Ø98 128Ø		CUN	1
HP1 HP1-OUTER		0 -29 59 7 0 -29 59 7	WFC	IMAGE	ALL	F555W		1	480	1280	_	PAR	1
HP1-OUTER		0 -29 59 <i>1</i> 0 -29 59 7	WFC	IMAGE	ALL	F785LP		1	720	1280		PAR	1
NGC8382	17 31 7.8		PC	IMAGE	ALL	F555W		i	14	1019		LVV	i
NGC6362	17 31 54.8		PC	IMAGE	ALL	F785LP		1	14	1019			i
GX-1+4		2 -24 44 44	HŠP/UV1	PRISM	1.0	F248M/F135W		î	3000	1091	1		i
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-A	1252	ī	29	1071			ī
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-A	1530	ī	66	1071	2		ī
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-B	2370	ī	16	1071	2		ī
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-A	1356	1	62	1071	2		1
HD158926	17 33 36.8	5 -37 6 12	HRS	WSCAN	Ø.25	ECH-A	1558	1	62	1071	2		1
HD158926	17 33 36.8	5 -37 6 12	HRS	WSCAN	Ø.25	ECH-A	1240	1	38	1071	2		1
HD158928	17 33 36.8	5 -37 6 12	HRS	WSCAN	Ø.25	ECH-A	1303	1	26	1071	2		1
HD158926	17 33 36.	5 -37 6 12	HRS	WSCAN	Ø.25	ECH-A	1334	1	36	1071	2		1
HD158926	17 33 38.	5 -37 6 12	HRS	WSCAN	Ø.25	ECH-A	1392	1	72	1Ø71	2		1
HD158926	17 33 36.8		HRS	WSCAN	Ø.25	ECH-A	1191	1	19	1071			1
HD158926	17 33 36.8		HRS	WSCAN	Ø.25	ECH-A	1547	1	75	1071			1
HD158928	17 33 36.		HRS	WSCAN	Ø.25	ECH-B	1805	1	29	1071	_		1
HD158928	17 33 36.		HRS	WSCAN	Ø.25	ECH-B	1826	1	33	1071			1
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-B	2024	1	19	1071	2		1
HD158926	17 33 36.		HRS	WSCAN	Ø.25	ECH-B	2602	1	26	1071	_		1
HD159561	17 34 56.1		HRS	ACCUM	Ø.25	ECH-B31	1810	1	33Ø	1201			1
HD159561	17 34 56.		HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	440	1201			1
HD159561	17 34 56.1		HRS	ACCUM	Ø.25	ECH-B22	2589	1	33Ø	1201			1
HD159561	17 34 56.1		HRS	ACCUM	Ø.25 Ø.25	ECH-B22	2603	1	330	1201			1
HD159561	17 34 56.3		HRS	ACCUM	Ø.25 Ø.25	ECH-B28	2027	1	440	1201			1 1
HD159561	17 34 58.1		HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-B25 ECH-A34	2263	1	33Ø	12Ø1 12Ø1			1
HD159561	17 34 56.1		HRS	ACCUM	Ø.25 Ø.25	ECH-A34 ECH-B2Ø	1654	1 1	66Ø 44Ø				1
HD159561	17 34 56.1		HRS	ACCUM	Ø.25 Ø.25	ECH-B22	2854 2519	1	440 550	1201 1201			1
HD159561	17 34 56.1				Ø.25 Ø.25		2518 1010	1	330	1201			1
HD159581	17 34 58.3		HRS FGS	ACCUM	ANY	ECH-B31	1818		1000	1003			2
BD+68D946	17 36 27.4	4 68 20 22	<b>F</b> 43	TRANS	VIA I	F583W		1	TRAR	1003	w		4

Target f	RA (2000)	Dec (2000)	Inst. (Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
BD+68D946	17 36 27.4	68 2Ø 22	FGS	TRANS	ANY	F583W		1	1000	1003	1			1
BD+68D946	17 36 27.5	68 20 22	F0C/288	OCC	512X512-FØ.4	F37ØLP		4	1200	1274	1			2
NGC64Ø2-NOVA	17 37 37.5	-3 14 43*		ACCUM	Ø.3	PRISM		1	500	1053	Ø	CON		1
NGC64Ø2-NOVA	17 37 37.5	-3 14 43*		ACCUM	Ø.3	PRISM		1	1000	1Ø53	Ø	CON		1
	17 37 37.5	-3 14 43*	•	ACCUM	Ø.3	G57ØH			3500	1053	Ø	CON		1
	17 37 37.5	-3 14 43	FOS/RD	ACQ/BINA		MIRROR		ī	1	1Ø53	Ø	ACQ C	ΩN	ī
	17 37 37.9	-3 14 38	PC	IMAGE	ALL	F439W	4385	1	500	1053	Ø	ACQ		ī
	17 37 37.9	-3 14 38	PC	IMAGE	ALL	F336W	3363	ī	500	1053	ø	ACQ		ī
	17 37 37.9	-3 14 38	PČ	IMAGE	ALL	F656N	6559	ī	500	1053	ø	ACQ		ī
	17 40 41.2		WFC	IMAGE	ALL	F555W	4445		3000	1296	2	PAR		ŝ
	17 40 41.2		WFC	IMAGE	ALL	F785LP			3000	1296	2	PAR		6
	17 40 41.3		WFC	IMAGE	ALL	F555W		3	900	1017	1	IAI		1
	17 40 41.3		WFC	IMAGE	ALL	F336W		1	54Ø	1017	i			i
	17 40 41.3		WFC	IMAGE	ALL	F336W			216Ø	1017	ī			1
	17 40 41.3		WFC	IMAGE	ALL	F785LP		ē	45Ø	1017	i			1
	17 40 41.3		FOC/96	IMAGE	512X1Ø24	F43ØW		-	3000	1296	2			8
	17 40 41.3		F0C/96	IMAGE	512X1024 512X1024	F48ØLP			3000 3000	1296	2			8
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1240	1	39	1071	2			1
	17 42 29.3		HRS		Ø.25	ECH-A	1252	1	33 32	1071	_			
	17 42 29.3			WSCAN	Ø.25		1530	1	32 72		2			1
· · · · · · · · · · · · · · · · · · ·	17 42 29.3		HRS HRS	WSCAN	Ø.25 Ø.25	ECH-A ECH-B	237Ø	1		1071	2			1
				WSCAN	Ø.25 Ø.25			1	18 28	1071	2			1
	17 42 29.3		HRS	WSCAN		ECH-A	1303	_		1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1334	1	39	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1356	1	68	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1392	1	79	1071	2			1
			HRS	WSCAN	Ø.25	ECH-A	1558	1	68	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1191	1	21	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-A	1547	1	82	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	32	1071	2			1
	17 42 29.3	-39 1 47	HRS	WSCAN	Ø.25	ECH-B	1826	1	36	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-B	2024	1	21	1071	2			1
	17 42 29.3		HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	28	1071	2			1
***	17 47 53.4	2 42 26	F0C/288	OCC .	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
	17 47 53.4	2 42 26	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2			1
	17 47 53.4	2 42 26	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
	17 47 53.4	2 42 26	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
	17 47 53.8	2 42 31	WFC	IMAGE	ALL	F555W		1	2Ø	1122	3			2
	17 47 53.8	2 42 31	WFC	IMAGE	ALL	F555W			1000	1122	3			2
	17 50 12.7		PC	IMAGE	ALL	F439W	4385	1	500	1Ø53	3	ACQ		1
	17 50 12.7		PC	IMAGE	ALL .	F284W	2841	1	500	1Ø53	3	ACQ		1
	17 50 12.7		PC ·	IMAGE	ALL	F336W	3363	1	500	1Ø53	3	ACQ		1
	17 50 12.7		PC	IMAGE	ALL	F656N	6599	1	500	1053	3	ACQ		1
	17 5Ø 12.7		FOS/RD	ACQ/BINA		MIRROR		1	1	1053	3	ACQ C	:ON	1
	17 5Ø 12.7	, -	FOS/RD	ACCUM	Ø.3	PRISM		1	5ØØ	1053	3	CON		1
	17 50 12.7		FOS/RD	ACCUM	Ø.3	PRISM		1	1000	1Ø53	3	CON		1
	17 50 12.7		FOS/RD	ACCUM	Ø.3	G57ØH		1	35ØØ	1Ø53	3	CON		1
	17 50 48.3	-31 16 31	F0C/96	IMAGE	512X512	F43Ø\		2	600	128Ø	3			1
	17 50 48.3	-31 16 31	WFC	IMAGE	ALL	F555W		1	48Ø	128Ø	1	PAR		1
	17 5Ø 48.3	-31 16 31	WFC	IMAGE	ALL	F785LP		1	72Ø	128Ø	1	PAR		1
	17 50 51.8	-34 35 55	F0C/96	IMAGE	512X512	F43ØW		2	600	1280	3			1
NGC6453-OUTER	17 50 51.8	-34 35 55	WFC	IMAGE	ALL	F555W		1	48Ø	128Ø	1	PAR		1
NGC6453-OUTER	17 50 51.8	-34 35 55	WFC	IMAGE	ALL	F785LP		1	72 <b>Ø</b>	128Ø	1	PAR		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD183181		1 -32 28 30	HRS	ACCUM	Ø.25	G16ØM	139Ø	1	120	1152	2		3
HD163181		L -32 28 3Ø	HRS	ACCUM	Ø.25	G16ØM	1235	1	120	1152	2		3
HD183181 VYS799	17 56 16.1 17 57 48.8		HRS	ACCUM	Ø.25	G16ØM	1544	1	120	1152	2		3
VYS799	17 57 48.8		FOC/288 FOC/288	0CC 0CC	512X512-FØ.4	F37ØLP		10	900	1274	2		4
VYS799	17 57 48.8		FOC/288	000	512X512-FØ.4	F22ØW F278M F4ND		1	300	1274	2		1
VYS799	17 57 48.8		FOC/288	000	512X512-FØ.4 512X512-FØ.4	F22ØW F278M F4ND		1	600	1274	2	4.00	2
BARNARDS-STAR	17 57 48.8		FGS	POS	PRIME	F220W F278M F4ND F550W		1 1	24Ø 52	1274 1Ø11	2	ACQ	1
BARNARDS-STAR	17 57 48.8		FGS	POS	PRIME	F55ØW		i	52 52	1011	2		34 16
BARNARDS-STAR	17 57 48.5		FGS	POS	PRIME	F55ØW		i	52 52	2941	2		34
BARNARDS-STAR	17 57 48.5		FGS	POS	PRIME	F55ØW		î	52	2942	3		16
GL699	17 57 48.8		FOS/BL	RAPID	4.3	G13ØH	1300	ī	800	1180	1		1
GL699	17 57 48.8	3 4 41 39	FOS/BL	ACQ/PEAK		G78ØH		ī	Ø	1180	ī	ACQ	ī
BARNARD-FIELD	17 57 49.6		F0C/98	IMAGE	512X512	F37ØLP		1	300	1274	ī		ī
GLIESE699	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	1005	Ø	CON	5
GLIESE699	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	1005	1	CON	6
GLIESE899	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	1005	2	CON	8
GLIESE899	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	2938	Ø	CON	5
GLIESE899	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	2938	1	CON	6
GLIESE699	17 57 49.2		FGS	POS	PRIME	F55ØW		1	52	2938	2	CON	6
GLIESE899	17 57 49.2	_	FGS	TRANS	PRIME	F583W		1	100	1005	Ø	ACQ	1
GLIESE699	17 57 49.2	- · · ·	FGS	TRANS	PRIME	F583W		1	100	2938	Ø	ACQ	1
BARNARDS-STAR	17 57 51.4		WFC	IMAGE	W4	F6Ø6W		1	17	1109	1		6
NGC8543 NGC8543	17 58 34.6 17 58 34.6		PC	IMAGE	ALL	F157W		1	120	1212	2		1
NGC8543	17 58 34.6 17 58 34.6		PC	IMAGE	ALL	F194W		1	120	1212	2		1
NGC6543	17 58 34.6		PC HRS	IMAGE	ALL	F517N	1 400	1	120	1212	2		1
NGC6543	17 58 34.6		HRS	ACCUM ACCUM	2.0 2.0	G14ØL	1420	1	72	1212	2		1
NGC8543	17 58 34.6		HRS	ACCUM	2.0	G14ØL	1250	1 1	36	1212 1212	2		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	G14ØL G16ØM	167Ø 154Ø	i	216 6Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	G16ØM	1660	i	6Ø	1165	ø		1 1
HD163522	17 58 35.2		HRS	ACCUM	2.0	G16ØM	1810	i	60	1165	ø		i
HD183522		2 -42 29 10	HRS	ACCUM	2.0	G16ØM	186Ø	i	60	1165	ø		i
HD183522	17 58 35.2	2 -42 29 10	HRS	ACCUM	2.0	G27ØM	236Ø	ī	6Ø	1165	ø		i
HD163522	17 58 35.2	2 -42 29 10	HRS	ACCUM	2.0	G27ØM	2590	ī	6Ø	1165	ø		ī
HD163522	17 58 35.2	2 -42 29 10	HRS	ACCUM	2.0	G27ØM	2800	ī	60	1165	ø		ī
HD163522	17 58 35.2	2 -42 29 10	HRS	ACCUM	2.0	G27ØM	285Ø	1	6Ø	1165	Ø		ĩ
HD163522	17 58 35.2	2 -42 29 10	HRS	ACCUM	2.0	ECH-B	237Ø	1	18Ø	1165	Ø		ī
HD163522		2 -42 29 10	HRS	ACCUM	2.0	ECH-B	2600	1	18Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	G16ØM	116Ø	1	18Ø	1165	Ø		1
HD163522	17 58 35.2		HRS	ACCUM	2.0	G27ØM	2045	1	6Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	ECH-B	2325	1	18Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	ECH-A	1402	1	42Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	ECH-A	1353	1	42Ø	1165	Ø		1
HD163522		2 -42 29 10	HRS	ACCUM	2.0	ECH-A	1391	1	420	1165	Ø		1
HD163522	17 58 35.2		HRS	ACCUM	2.0	ECH-A	1549	1	420	1165	Ø		1
HD183522	17 58 35.2		HRS	ACCUM	2.0	ECH-A	1241	2	390	1165	Ø		1
HD183522		2 -42 29 10	HRS	WSCAN	2.0	G16ØM	1292	1	540	1165	Ø		1
HD164353 POINT1758-851INCA221	18 Ø 38.7		HRS	ACCUM	Ø.25	ECH-B	2312	4	420	1066	1		1
-118	18 1 21.4	8 -85 7 22	s/c	POINTING	A.T.			1	Ø	1571	Ø		1
INCA221-118	18 2 0.9	-64 55 20	FGS	POS	2	F55ØW		1	51	1571	ø		2

FIELD188318-05143 18 3 18.6 -26 51 43 WFC IMAGE ALL F336W 1 180 1106 6 1 1 FIELD188318-05143 18 3 18.6 -25 51 43 WFC IMAGE ALL F356W 1 1809 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F356W 1 1809 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.6 -25 51 43 WFC IMAGE ALL F556W 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.3 -25 56 44 F0C/98 IMAGE S12X1924 F456LP 1 1909 1106 0 1 1 FIELD188318-255143 18 3 19.3 -25 56 44 F0C/98 IMAGE S12X1924 F456LP 1 1509 1201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Target	RA (	2000)	D	ec (	2000)	Inst. Config.	Operati Mode	ng	Aperture	Spectral Element	Centr Wave		No.	Exp. Time	ID	_	Spec. Req.	To	ta I nes
FIELD188316-295143 18 3 18.0 -29 51 43 WFC IMAGE ALL F555W 1 1806 1186 6 1 1 FIELD188316-295143 WFC IMAGE ALL F555W 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE ALL F555W 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE ALL F555W 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE ALL F555W 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE ALL F555W 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE ALL F755LP 1 1 1 1806 1106 0 1 1 FIELD188316-295143 18 3 10.0 -29 51 43 WFC IMAGE F1ELD18816-1 F755LP 1 1 1 1806 1106 0 1 1 FIELD18816-1 F1ELD18816-1 F1ELD1881-1 F1ELD18816-1 F1ELD18816-1 F1ELD18816-1 F1ELD18816-1 F1ELD1881-1 F1ELD18816-1 F1ELD18816-1 F1ELD18816-1 F1ELD18816-1 F1ELD1881-1 F1ELD18816-1 F1ELD18	121 800	(.		Ū	-		comg.				E. C.IIICIT C	11470	•	-^P·	, , , , , , , ,	10	٠,٠	wed.		1103
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3CR371	3CR371	18	8 51.	1	69	49 34	HSP/POL	SINGL	Ε	POL45	F277M			1	6Ø	1099	2			2Ø
HD1659Ø8 18 7 1.6 3Ø 33 43 HRS ACCUM Ø.25 G27ØM 2497 2 42Ø 1Ø64 3 CON SEL 1 DQ-HER-A 18 7 3Ø.2 45 51 37* FOS/BL ACCUM 4.3 G16ØL 1837 1 24ØØ 1Ø67 2 1 DQ-HER 18 7 3Ø.3 45 51 31 HSP/UV1 PRISM 1.Ø F248M/F135W 1 1692Ø 1Ø9Ø Ø 1 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 1.Ø G13ØH 1 8ØØ 1Ø51 1 2 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 1.Ø G19ØH 1 8ØØ 1Ø51 1 1 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 1.Ø G27ØH 1 8ØØ 1Ø51 1 2 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL PERIOD 1.Ø G27ØH 1 8ØØ 1Ø51 1 2 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 1.Ø G27ØH 1 8ØØ 1Ø51 1 2 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 1.Ø G16ØL 1 3979 1Ø51 1 1 DQ-HER 18 7 3Ø.3 45 51 32 FOS/BL ACCUM 4.3 MIRROR 1 0 1051 1 ACQ 1 DQ-HER 18 7 3Ø.8 45 51 29 WFC IMAGE ALL F6Ø6W 2 15ØØ 1Ø67 2 ACQ 1 DQ-HER-B 18 7 31.4 45 51 34* FOS/BL ACCUM 4.3 G16ØL 1837 1 24ØØ 1Ø67 2 1 HD166126 18 9 5Ø.7 -15 33 Ø HRS ACCUM Ø.25 G14ØL 128Ø 1 3Ø 1174 3 1 HD166126 18 9 5Ø.7 -15 33 Ø HRS ACCUM Ø.25 G14ØL 128Ø 1 5Ø 1174 3 1	3CR371	18	6 51.	1	69	49 34	HSP/POL	SINGL	Ε	POL9Ø	F277M			1	6Ø	1099	2			2Ø
DQ-HER-A       18 7 30.2 45 51 37* FOS/BL       ACCUM       4.3       G16ØL       1837 1 24ØØ 1Ø67 2       1         DQ-HER       18 7 3Ø.3 45 51 31 HSP/UV1 PRISM       1.Ø       F248M/F135W       1 1692Ø 1Ø9Ø Ø       1         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       1.Ø       G13ØH       1 8ØØ 1Ø51 1       2         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       1.Ø       G19ØH       1 8ØØ 1Ø51 1       1         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       1.Ø       G27ØH       1 8ØØ 1Ø51 1       2         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       1.Ø       G16ØL       1 8ØØ 1Ø51 1       2         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       1.Ø       G16ØL       1 3979 1Ø51 1       1         DQ-HER       18 7 3Ø.3 45 51 32 FOS/BL       ACCUM       4.3       MIRROR       1 Ø 1Ø51 1       1         DQ-HER       18 7 3Ø.8 45 51 32 FOS/BL       ACQ/BINA 4.3       MIRROR       1 Ø 1Ø51 1       ACQ       1         DQ-HER       18 7 3Ø.8 45 51 29 WFC       IMAGE       ALL       F6Ø6W       2 15ØØ 1Ø67 2       ACQ       1         DQ-HER-B       18 7 31.4 45 51 34* FOS/BL       ACCUM       4.3       G16	3CR371	18	6 51.3	1	69	49 34	HSP/POL	SINGL	Ε	P0L135	F277M			1	60	1099	2			2Ø
DQ-HER       18       7       30.3       45       51       31       HSP/UV1       PRISM       1.0       F248M/F135W       1       16920       1090       0       1         DQ-HER       18       7       30.3       45       51       32       F0S/BL       ACCUM       1.0       G130H       1       800       1051       1       2         DQ-HER       18       7       30.3       45       51       32       F0S/BL       ACCUM       1.0       G190H       1       800       1051       1       1         DQ-HER       18       7       30.3       45       51       32       F0S/BL       ACCUM       1.0       G270H       1       800       1051       1       2         DQ-HER       18       7       30.3       45       51       32       F0S/BL       ACCUM       1.0       G160L       1       3079       1051       1       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7	HD1659Ø8	18	7 1.6	8	3Ø	33 43	HRS	ACCUM		Ø.25	G27ØM	249	7	2	420	1Ø64	3	CON S	SEL	1
DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G130H       1       800       1051       1       2         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G190H       1       800       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G270H       1       800       1051       1       2         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       3979       1051       1       1         DQ-HER       18       7       30.8       45       51       32       FOS/BL       ACCUM       4.3       MIRROR       1       0       1067       2       ACQ       1         DQ-HER-B       18       7	DQ-HER-A	18	7 30.2	2	45	51 374	FOS/BL	ACCUM		4.3	G16ØL	183	7	1	2400	1067	2			1
DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G190H       1       800       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       PERIOD       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       PERIOD       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       0       1051       1       ACQ       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7       31.4       45       51       34*       FOS/BL       ACCUM       4.3       G160L       1837       1       2400       1067       2       1         HD166128 <td>DQ-HER</td> <td>18</td> <td>7 30.3</td> <td>3</td> <td>45</td> <td>51 31</td> <td>HSP/UV1</td> <td>PRISM</td> <td></td> <td>1.0</td> <td>F248M/F135W</td> <td></td> <td></td> <td>1 1</td> <td>.692Ø</td> <td>1090</td> <td>Ø</td> <td></td> <td></td> <td>1</td>	DQ-HER	18	7 30.3	3	45	51 31	HSP/UV1	PRISM		1.0	F248M/F135W			1 1	.692Ø	1090	Ø			1
DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G190H       1       800       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       PERIOD       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       0       1051       1       ACQ       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7       31.4       45       51       34*       FOS/BL       ACCUM       4.3       G160L       1837       1       2400       1067       2       1         HD166128       18       9       50.7       -15       33       0       HRS       ACCUM       0.25       G140L       1280       1       50       1174       3       1	DQ-HER	18	7 30.3	3	45	51 32	FOS/BL	ACCUM		1.0	G13ØH			1	8ØØ	1051	1			2
DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACCUM       1.0       G270H       1       800       1051       1       2         DQ-HER       18       7       30.3       45       51       32       FOS/BL       PERIOD       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       0       1051       1       ACQ       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7       31.4       45       51       34*       FOS/BL       ACCUM       4.3       G160L       1837       1       2400       1067       2       1         HD166128       18       9       50.7       -15       33       0       HRS       ACCUM       0.25       G140L       1280       1       50       1174       3       1	DQ-HER	18	7 30.3	3	45	51 32	FOS/BL	ACCUM		1.0	G19ØH			1	8ØØ		1			
DQ-HER       18       7       30.3       45       51       32       FOS/BL       PERIOD       1.0       G160L       1       3979       1051       1       1         DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       0       1051       1       ACQ       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7       31.4       45       51       34*       FOS/BL       ACCUM       4.3       G160L       1837       1       2400       1067       2       1         HD168128       18       9       50.7       -15       33       0       HRS       ACCUM       0.25       G140L       1280       1       30       1174       3       1         HD168128       18       9       50.7       -15       33       0       HRS       ACCUM       0.25       G140L       1280       1       50       1174       3       1		18	7 30.3					ACCUM		1.0	G27ØH			1						
DQ-HER       18       7       30.3       45       51       32       FOS/BL       ACQ/BINA       4.3       MIRROR       1       0       1051       1       ACQ       1         DQ-HER       18       7       30.8       45       51       29       WFC       IMAGE       ALL       F606W       2       1500       1067       2       ACQ       1         DQ-HER-B       18       7       31.4       45       51       34*       FOS/BL       ACCUM       4.3       G16ØL       1837       1       2400       1067       2       1         HD168128       18       9       50.7       -15       33       Ø       HRS       ACCUM       Ø.25       G14ØL       128Ø       1       50       1174       3       1         HD168128       18       9       50.7       -15       33       Ø       HRS       ACCUM       Ø.25       G14ØL       128Ø       1       50       1174       3       1								PERIO	D	1.0	G16ØL			-						
DQ-HER       18 7 3Ø.8 45 51 29 WFC       IMAGE       ALL       F6Ø6W       2 15ØØ 1Ø67 2 ACQ       1         DQ-HER-B       18 7 31.4 45 51 34* F0S/BL       ACCUM       4.3       G16ØL       1837 1 24ØØ 1Ø67 2       1         HD168126       18 9 5Ø.7 -15 33 Ø HRS       ACCUM       Ø.25       G14ØL       128Ø 1 3Ø 1174 3       1         HD168126       18 9 5Ø.7 -15 33 Ø HRS       ACCUM       Ø.25       G14ØL       128Ø 1 5Ø 1174 3       1							• .							_				ACQ		_
DQ-HER-B       18 7 31.4 45 51 34* FOS/BL       ACCUM       4.3       G16ØL       1837 1 24ØØ 1Ø67 2       1         HD166128       18 9 5Ø.7 -15 33 Ø HRS       ACCUM       Ø.25       G14ØL       128Ø 1 3Ø 1174 3       1         HD168128       18 9 5Ø.7 -15 33 Ø HRS       ACCUM       Ø.25       G14ØL       128Ø 1 5Ø 1174 3       1	•						•											•		
HD166126 18 9 50.7 -15 33 Ø HRS ACCUM Ø.25 G14ØL 128Ø 1 3Ø 1174 3 1 HD168126 18 9 50.7 -15 33 Ø HRS ACCUM Ø.25 G14ØL 128Ø 1 5Ø 1174 3 1												183	7							
HD168128 18 9 50.7 -15 33 Ø HRS ACCUM Ø.25 G14ØL 128Ø 1 5Ø 1174 3 1							•													_
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Req	
HD166126	18 9 5ø.7	-15 33 Ø	HRS	ACCUM	Ø.25	G14ØL	1555	1	5ø	1174	3	. 1
W-SER		-15 33 Ø	HRS	ACCUM	Ø.25	G16ØM	1400	2	450	1190	ĭ	ī
W-SER		-15 33 Ø	HRS	ACCUM	Ø.25	G16ØM	167Ø	2	45Ø	1190	ī	ī
W-SER		-15 33 Ø	HRS	ACCUM	Ø.25	G16ØM	1335	2	45Ø	1190	ī	ĩ
W-SER		-15 33 Ø	HRS	ACCUM	Ø.25	G16ØM	1243	2	45Ø	1190	ī	ī
W-SER		-15 33 Ø	HRS	ACCUM	Ø.25	G16ØM	1538	2	45Ø	1190	ĩ	ī
NGC8558		-31 45 49	F0C/98	IMAGE	512X512	F342W		2	75Ø	1280	3	ī
NGC6558-OUTER		-31 45 49	WFC	IMAGE	ALL	F555W		1	600	1280	1 PAR	ī
NGC6558-OUTER		-31 45 49	WFC	IMAGE	ALL	F785LP		1	900	1280	1 PAR	ī
V533HER	18 12 46.4		F0C/96	IMAGE	512X512	F486N		1	1200	1253	.2	1
V533HER	18 12 46.4	41 50 22	F0C/98	IMAGE	512X512	F5Ø1N		1	1200	1253	2	1
AM-HER	18 16 13.3		FOS/BL	ACCUM	Ø.5	G16ØL		1	96Ø	1051	Ø	1Ø
AM-HER	18 16 13.3		FOS/BL	ACQ/PEAK	Ø.3	G57ØH		1	Ø	1051	Ø ACQ	1
AM-HER	18 16 13.3	49 52 4	F0S/BL	ACQ/PEAK		G57ØH		1	Ø	1051	Ø ACQ	1
AM-HER	18 16 13.4	49 52 3	HRS	ACCUM	2.0	G14ØL	1520	1	300	1155	2	8
FIELD181834-325Ø58	18 18 34.0	-32 50 58	WFC	IMAGE	ALL	F336W		1	100	11Ø6	2	1
FIELD181834-325Ø58	18 18 34.Ø	-32 50 58	WFC	IMAGE	ALL	F555W		1	100	1106	2	1
FIELD181834-325058	18 18 34.0	-32 5Ø 58	WFC	IMAGE	ALL	F336W		1	18ØØ	1106	2	1
FIELD181834-325Ø58	18 18 34.0	-32 50 58	WFC	IMAGE	ALL	F555W		1	1900	1106	2	1
FIELD181834-325058	18 18 34.Ø	-32 50 58	WFC	IMAGE	ALL	F785LP		1	100	11Ø6	2	1
FIELD181834-325058	18 18 34.Ø	-32 50 58	WFC	IMAGE	ALL	F785LP			1900	11Ø6	2	1
NGC6611B	18 18 38.6	-13 52 51	PC	IMAGE	ALL	F656N		1	1800	1Ø72	Ø	1
HD167756	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-A	1300	1	3Ø	1165	3	1
HD167756	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-B	191Ø	1	3Ø	1165	3	1
HD167756	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-B	2060	1	3Ø	1165	3	1
HD187758		-42 17 18	HRS	ACCUM	2.0	G14ØM	1Ø8Ø	1	3Ø	1165	3	1
HD167758		-42 17 18	HRS	ACCUM	2.0	G14ØM	113Ø	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.Ø	ECH-B	226Ø	1	15	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	237Ø	1	15	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	2600	1	15	1165	3	1
HD167758		-42 17 18	HRS	ACCUM	2.0	ECH-B	2800	1	15	1165	3	1
HD167758		-42 17 18	HRS	ACCUM	2.0	ECH-B	285Ø	1	15	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	G16ØM	1160	1	15	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1345	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1525	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	2025	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	G14ØM	1105	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	G14ØM	1155	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	2325	1	15	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1402	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1197	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1234	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1238	1	3Ø	1165	3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A ECH-A	1241 1276	1	3Ø 3Ø	1165 1165	3 3	1
HD167756		-42 17 18	HRS	ACCUM	2.0			1			3 3	1
HD167756		-42 17 18 42 17 18	HRS	ACCUM	2.0	ECH-A	1326	1	3Ø	1165 1165	3 3	1
HD187758		-42 17 18	HRS	ACCUM	2.0	ECH-A	1333	1	3Ø			-
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1353	1	3Ø	1165 1165	3	1
HD167756		-42 17 18 42 17 18	HRS	ACCUM	2.0	ECH-A	1361	1	3Ø 3Ø		3	1
HD167756	-	-42 17 18	HRS	ACCUM	2.0	ECH-A ECH-A	1369	1 1	3Ø	1165 1165	3 3	1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1391 1531	1	3Ø	1165	ა 3	1
HD167756	18 18 40.1	-42 11 18	HRS	ACCUM	2.0	ECU-N	1991	1	30	1100	3	1

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Tamaak	RA (2ØØØ)	Dec (2000)		Operating	Amanhuma	Spectral	Central	No.	Exp.	TD	c.,	Spec.	Tota	
Target	KA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Line	95
HD167756	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-A	1549	1	3Ø	1165	3			i
HD187758	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-A	1546	1	3Ø	1165	3			1
HD167756	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-A	1559	1	3Ø	1165	3			1
HD167758	18 18 40.1	-42 17 18	HRS	ACCUM	2.0	ECH-A	1606	1	3Ø	1165	3			1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1654	ī	3Ø	1165	3			ī
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	1669	î	3Ø	1165	3			i
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-A	17Ø6	i	3Ø	1165	3			î
HD167756		-42 17 18	HRS	ACCUM	2.0		18Ø8	î	3Ø	1165	3			i
		-42 17 18	HRS			ECH-B								
HD167756				ACCUM	2.0	ECH-B	1828	1	3Ø	1165	3			1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	1854	1	3Ø	1165	3			1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	1863	1	3Ø	1165	3			1
HD167756		-42 17 18	HRS	ACCUM	2.0	ECH-B	2011	1	3Ø	1165	3			1
HD167758		-42 17 18	HRS	ACCUM	2.0	ECH-B	2334	1	15	1165	3			1
HD167758		-42 17 18	HR\$	WSCAN	2.0	G16ØM	1292	1	13Ø	1165	3			1
NGC8811A		-13 47 17	PC	IMAGE	ALL	F656N		1	1800	1072	Ø			1
NGC8611C	18 18 51.7	′ <b>-13</b> 53 1Ø	PC	IMAGE	ALL	F656N		1	1800	1072	Ø			1
NGC6611D	18 18 56.1	-13 57 23	PC	IMAGE	ALL	F656N		1	18ØØ	1072	Ø			1
NGC8824	18 23 40.3	-30 21 39	PC	IMAGE	ALL	F547M		1	100	1052	Ø	ACQ	CON	1
NGC6624	18 23 40.3	-30 21 39	PC	IMAGE	ALL	F23ØW	•	1	25Ø	1052	Ø	ACQ	CON	1
NGC8824	18 23 40.3	-30 21 39	PC	IMAGE	ALL	F336W		1	13Ø	1052	Ø	ACQ	CON	1
NGC6624-OFFSET-STAR	18 23 40.3	-3Ø 21 39*	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1052	1	ACQ	CON	1
NGC8624-STAR1	18 23 40.3	-30 21 39*	FOS/BL	IMAGE	4.3	PRISM		1	400	1052	1	CON		1
NGC6624-STAR1		-30 21 39*	•	ACCUM	Ø.3	G16ØL		1	1300	1052	1	CON		1
NGC6624-STAR2		-30 21 39*	•	IMAGE	4.3	PRISM		1	400	1052	1	CON		1
NGC8824-STAR2		-30 21 39*		ACCUM	Ø.3	G16ØL		1	1300	1052	1	CON		1
NGC8624		3 -30 21 41	PC	IMAGE	ALL	F439W	4385	ī	500	1053	2	ACQ		1
NGC8624		3 -30 21 41	PC	IMAGE	ALL	F284W	2841	ī	500	1053	2	ACQ		ī
NGC6624		-30 21 41	PC	IMAGE	ALL	F336W	3363	ī	500	1053	2	ACQ		ī
NGC6624		-30 21 41	PC	IMAGE	ALL	F656N	6599	ī	500	1053	2	ACQ		ī
NGC6624-OFFSET	18 23 40.6		FOS/BL	ACQ/BINA		MIRROR	0000	î	5	1053	2	ACQ	CON	ī
NGC6624-OFFSET	18 23 40.6		FOS/RD	ACQ/BINA		MIRROR		î	ĭ	1053	2	ACQ		ī
NGC6624-STAR		3 -30 21 41+		ACCUM	Ø.3	PRISM		•	4000	1053	2	CON	COIT	ī
NGC6624-STAR		3 -30 21 41*	•	ACCUM	Ø.3	G57ØH		i	4000 4000	1053	2	CON		ī
NGC6624-STAR		-30 21 41* 3 -30 21 41*		ACCUM	Ø.3			_	1000	1053	2	CON		î
		3 -30 21 41 <del>*</del>	PC	IMAGE	ALL	PRISM				1097		CON		i
4U182Ø-3Ø		3 -30 21 41		IMAGE		F7Ø2W		1	300		1	ACQ		1
4U182Ø-3Ø			PC		ALL	F336W		1	300	1097	1	ACd		_
4U182Ø-3Ø		3 -30 21 41	HSP/UV2	SINGLE	0.4	F248M		_	1500	1097	1	CON		1
4U182Ø-3Ø		3 -30 21 41	HSP/UV2	SINGLE	Ø.4	F284M			1500	1097	1	CON		1
4U1820-30		-30 21 41	HSP/UV2	SINGLE	Ø.4	F14ØLP			1500	1097	1	6011		1
4U182Ø-3Ø		3 -30 21 41	HSP/UV2	SINGLE	0.4	F14ØLP			1500	1097	1	CON		1
NGC8624	18 23 40.7		F0C/96	IMAGE	512X1Ø24	F43ØW		1	1500	1279	Ø			3
NGC6624		-30 21 39	F0C/96	IMAGE	512X1Ø24	F43ØW			1500	1279	2	CON		3
NGC8624		-30 21 39	F0C/96	IMAGE	512X1Ø24	F48ØLP			1500	1279	Ø			3
NGC6624		-30 21 39	F0C/96	IMAGE	512X1Ø24	F48ØLP			1500	1279	2	CON		3
NGC6624		-30 21 39	F0C/288	IMAGE	512X1Ø24	F175W			1500	1279	Ø			1
NGC8624		-3Ø 21 39	F0C/288	IMAGE	512X1Ø24	F175W		1	1500	1279	2	CON		1
NGC6624-OUTER		/ -3Ø 21 39	WFC	IMAGE	ALL	F555W		1	132Ø	1279	1	PAR		3
NGC6624-OUTER	18 23 40.7	-30 21 39	WFC	IMAGE	ALL	F785LP		1	1320	1279	1	PAR		4
HD169515	18 25 31.5	-12 41 24	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	6Ø	1174	1			1
HD169515	18 25 31.5	-12 41 24	HRS	ACCUM	Ø.25	G14ØL	128Ø	1	12Ø	1174	1			1
HD169515	18 25 31.8	-12 41 24	HRS	ACCUM	Ø.25	G14ØL	1555	1	6Ø	1174	1			1
HD169515	18 25 31.8	-12 41 24	HRS	ACCUM	Ø.25	G14ØL	1555	1	120	1174	1			1

Tinada Tangoto												_	•	
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
HD169753	18 26 33.7	-9 12 7	HRS	ACCUM	Ø.25	G14ØL	128ø	1	3ø	1174	1			2
HD169753	18 26 33.7	-9 12 7	HRS	ACCUM	Ø.25	G14ØL	1555	1	3Ø	1174	1			2
FH-SER	18 30 47.1	2 36 52	F0C/98	IMAGE	512X512	F486N		1	1200	1253	2			1
FH-SER	18 30 47.1	2 36 52	F0C/96	IMAGE	512X512	F5Ø1N		1	1200	1253	2			1
INCA221-122-AST2	18 31 33.3	28 15 43	FGS	POS	2	F55ØW		1	3Ø	1475	1	CON	PAR	1
INCA221-122-AST2	18 31 33.3	28 15 43	FGS	POS	2	F55ØW		1	3Ø	1475	2	CON	PAR	1
NGC6642	18 31 54.3	3 -23 28 35	F0C/96	IMAGE	512X512	F342W		2	75Ø	1280	3			1
NGC6642-OUTER	18 31 54.3	-23 28 35	WFC	IMAGE	ALL	F555W		1	600	128Ø	1	PAR		1
NGC6642-OUTER	18 31 54.3	-23 28 35	WFC	IMAGE	ALL	F785LP		1	900	128Ø	1	PAR		1
INCA221-122	18 31 55.9		PC	IMAGE	P8	F658N		1	3Ø	1475	1	CON		1
INCA221-122	18 31 55.9		PC	IMAGE	P8	F658N		1	3Ø	1475	2	CON		1
INCA221-122-AST1	18 32 34.2		FGS	POS	2	F55ØW		1	3Ø	1475	1	CON		2
INCA221-122-AST1	18 32 34.0		FGS	POS	2	F55ØW		1	3Ø	1475	2	CON	PAR	2
183Ø+285INCA221-122	18 32 50.2		PC	IMAGE	P8	F6Ø6W		1	26	1475	1	CON		1
1830+285INCA221-122	18 32 50.2		PC	IMAGE	P8	F6Ø6W		1	26	1475	2	CON		1
183Ø+285INCA221-122	18 32 50.2		PC	IMAGE	P8	F725LP		1	6Ø	1475	1	CON		1
183Ø+285INCA221-122	18 32 50.2		PC	IMAGE	P8	F725LP		1	60	1475	2	CON		1
3C382	18 35 3.4		F0C/96	IMAGE	512X512	F13ØM		1	600	1228	2			1
3C382	18 35 3.4		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C382	18 35 3.4		F0C/288	IMAGE	512X512	F5Ø2M		1	300	1228	2			1
3C382	18 35 3.4		F0C/288	IMAGE	512X512 256X1Ø24-SLIT	F5Ø2M		1	600	1228	2	CON		Ţ
3C382	18 35 3.4		FOC/48 PC	SPEC IMAGE	ALL	GRAT-PRISM F555W	E470		1200	1228	2	CON		3
NGC8858		2 -23 54 12 2 -23 54 12	PC	IMAGE	ALL	F791W	5479 8537	1 1	26 26	1007	Ø			2
NGC6858 NGC6856		2 -23 54 12	PC	IMAGE	ALL	F555W	5479	1	26 28	1007 1007	1			3
NGC6656	18 36 24.2	-	PC	IMAGE	ALL	F791W	8537	i	26	1007	1			2
NGC6656		2 -23 54 12	PC	IMAGE	ALL	F555W	5479	i	26	2944	ø			3
NGC6656		2 -23 54 12	PC	IMAGE	ALL	F791W	8537	î	26	2944	ø			2
NGC6656	18 36 24.2		PC	IMAGE	ALL	F555W	5479	ī	26	2947	1			3
NGC8656		-23 54 12	PC	IMAGE	ALL	F791W	8537	ī	26	2947	ī			2
NGC6656-C		-23 36 25	PC	IMAGE	ALL	F439W	4385	ī	500	1053	2	ACQ		ī
NGC6858-C	18 36 46.3		PC	IMAGE	ALL	F336W	3363	ī		1053	2	ACQ		ī
NGC6656-C		-23 36 25	PC	IMAGE	ALL	F656N	6559	1	500	1053	2	ACQ		1
NGC6656-C-OFFSET		-23 36 25	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1053	2	ACQ	CON	1
NGC6656-STAR	18 36 46.3	-23 36 25+	FOS/RD	ACCUM	Ø.3	PRISM		1	500	1Ø53	2	CON		1
NGC6656-STAR	18 36 46.3	-23 36 25+	FOS/RD	ACCUM	Ø.3	PRISM		1	1000	1053	2	CON		1
NGC6656-STAR	18 36 46.3	3 -23 36 25+	FOS/RD	ACCUM	Ø.3	G57ØH		1	3500	1Ø53	2	CON		1
ALPHA-LYRAE	18 36 55.5	38 46 47	WFC	IMAGE	ALL	F555W		1	Ø	1122	3			2
ALPHA-LYRAE	18 36 55.5		WFC	IMAGE	ALL	F555W		1		1122	3			2
HD172167	18 36 56.2		F0C/96	OCC	512X1024-F0.4			1		1275	2			1
HD172167	18 36 56.2		F0C/98	OCC	512X1Ø24-FØ.4			1	600	1275	2			1
HD172167	18 36 56.2		F0C/96	OCC	512X1Ø24-FØ.4	<del>-</del>		1		1275	2			1
HD172167	18 36 56.2		F0C/98	OCC	512X512-FØ.4			1		1275	2			1
HD172167	18 36 56.2		F0C/96	OCC	512X1024-F0.4			1		1275	2			1
HD172167	18 36 56.2		F0C/96	0CC	512X1Ø24-FØ.4			1		1275	2			1
HD172167	18 36 56.2		F0C/98	0CC	512X1Ø24-FØ.4			1	600	1275	2			1
NGC6856E1			PC	IMAGE	ALL	F555W	5479	1	100	1007	Ø			3
NGC6656E1	18 37 47.8		PC	IMAGE	ALL	F555W	5479		1000	1007	Ø			3
NGC6656E1	18 37 47.8		PC	IMAGE	ALL	F791W	8537	1	100	1007	Ø			2
NGC6656E1	18 37 47.8		PC	IMAGE	ALL	F791W	8537 5470		1000	1007	Ø			2
NGC6656E1	18 37 47.8		PC	IMAGE	ALL	F555W	5479 5470	1	100	2944	Ø			3
NGC6858E1	18 37 47.8	s −23 54 5*	PC	IMAGE	ALL	F555W	5479	1	1000	2944	Ø			3

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
NGC6656E1	18 37 47.8	3 -23 54 54	PC	IMAGE	ALL	F791W	8537	1	100	2944	Ø			2
NGC8656E1	18 37 47.8			IMAGE	ALL	F791W	8537	ī	1000	2944	ø			2
3C39Ø.3	18 42 9.4		F0C/96	IMAGE	512X512	F13ØM	0001	ī	600	1228	2			î
3C39Ø.3	18 42 9.6		F0C/48	IMAGE	512X512	F18ØLP		i	600	1228	2	CON		i
3C39Ø.3	18 42 9.4		F0C/288	IMAGE	512X512	F32ØW		î	300	1228	2	COIT		i
3C39Ø.3	18 42 9.4		F0C/288	IMAGE	512X512 512X512	F37ØLP		i	300	1228	2			
3C39Ø.3	18 42 9.6		,	SPEC				-	1200	1228	2	CON		1
3C39Ø.3	18 42 9.1		F0C/48		256X1Ø24-SLIT		1500	i	600	1227	ø	COM		1
30390.3			F0C/96	IMAGE	512X512	F152M	1500		600					1
3C39Ø.3			F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1		1227	Ø			1
	18 42 9.1		F0C/96	IMAGE	512X512	F19ØM	1975	1	600	1227	Ø			1
3C39Ø.3	18 42 9.1		F0C/96	IMAGE	512X512	F55ØM	5470	1	600	1227	Ø			1
3C390.3	18 42 9.1		F0C/48	SPEC	256X1Ø24-SLIT			1	600	1227	2			1
NGC6681		7 -32 17 31	F0C/96	IMAGE	512X512	F342W			1500	128Ø	2			1
NGC6681		7 -32 17 31	F0C/98	IMAGE	512X512	F2ND F342W		1	3ØØ	1280	2			1
NGC6681-OUTER		7 -32 17 31	WFC	IMAGE	ALL	F555W		1	72Ø	128Ø	1	PAR		1
NGC6681-OUTER		7 -32 17 31	WFC	IMAGE	ALL	F785LP			1080	128Ø	1	PAR		1
NGC6681		7 -32 17 31	PC	IMAGE	ALL	F547M		1	100	1052	Ø	ACQ		1
NGC6681		7 -32 17 31	PC	IMAGE	ALL	F23ØW		1	25Ø	1052	Ø		CON	1
NGC6681		7 -32 17 31	PC	IMAGE	ALL	F336W		1	13Ø	1Ø52	Ø	ACQ		1
NGC6681-OFFSET-STAR	18 43 12.	7 -32 17 31	FOS/BL	ACQ/BINA		MIRROR		1		1Ø52	1	ACQ	CON	1
NGC8681-STAR1		7 -32 17 31:		IMAGE	4.3	PRISM		1	400	1Ø52	1	CON		1
NGC6681-STAR1		7 -32 17 31		ACCUM	Ø.3	G16ØL			1300	1Ø52	1	CON		1
NGC6681-STAR2		7 -32 17 314		IMAGE	4.3	PRISM		1	400	1Ø52	1	CON		1
NGC6681-STAR2		7 -32 17 31:		ACCUM	Ø.3	G16ØL			1300	1052	1	CON		1
FU1Ø83-2		3 -23 26 31	WFC	IMAGE	ALL	F569W		1	Ø	1083	1	ACQ		2
FU1Ø83-2	18 43 24.6	3 -23 26 31	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1			2
1840-624P11	18 44 48 6	3 -62 21 57	IS FOC/288	IMAGE	512X512	F342W		1	3ØØ	1244	2			1
184Ø-624P11		3 -82 21 57	F0C/288	IMAGE	512X512	F43ØW		î	300	1244	2			i
184Ø-624P11		3 -62 21 57	F0C/288	IMAGE	512X512	F5Ø2M		1	600	1244	2			i
ROSS-154	18 49 47.6		PC PC	IMAGE	P8	F6Ø6W		î	8Ø	1109	1			6
HD174933	18 52 16.		HRS	ACCUM	Ø.25	ECH-A	1362	i	468	1182	2			1
HD174933	18 52 16.		HRS	ACCUM	Ø.25	ECH-B	1942	i	234	1182	2			1
FU1082-1		7 -23 16 41	WFC	IMAGE	ALL	F569W	1372	i	Ø	1082	1	A CO		2
FU1082-1		7 -23 16 41 7 -23 16 41			1.0	F75ØW/F32ØN		_	1500	1082	1	ACQ		2
101002-1	10 02 17.1	7 -23 10 41	HSP/PMT/V IS	SLLTI	1.0	F / 50 H / F 32 D N		•	1000	1002	1			2
NGC8712	18 53 5.4	8 42 20	PC	IMAGE	ALL	F439W	4385	1	5ØØ	1Ø53	1	ACQ		1
NGC8712	18 53 5.6		PC	IMAGE	ALL	F284W	2841	1	500	1053	1	ACQ		1
NGC6712	18 53 5.6		PC	IMAGE	ALL	F336W	3363	1	500	1053	1	ACQ		ī
NGC8712	18 53 5.6		PC	IMAGE	ALL	F656N	6599	1	500	1053	ī	ACQ		ī
NGC6712-OFFSET	18 53 5.4		FOS/RD	ACQ/BINA		MIRROR		ī	1	1053	ī	•	CON	ī
NGC6712-STAR	18 53 5.4		FOS/RD	ACCUM	Ø.3	PRISM		ī	5øø	1053	î	CON	COIT	ī
NGC6712-STAR	18 53 5.4			ACCUM	Ø.3	PRISM	•	_	1000	1053	i	CON		ī
NGC6712-STAR	18 53 5.6			ACCUM	Ø.3	G57ØH			35ØØ	1053	i	CON		i
V1223-SGR	18 55 2.3			PRISM	1.0	F248M/F135W		-	224Ø	1090	1	COIT		i
HD175191	18 55 16.2		HSP/UV1 HRS	ACCUM	Ø.25	ECH-B31	181ø	1	110	1201	3			1
HD175191		2 -26 17 47	HRS	ACCUM	Ø.25 Ø.25	ECH-A36	1557	1	110		_			
HD175191										1201	3			1
HD175191		2 -26 17 47	HRS	ACCUM	Ø.25	ECH-A42	1332	1	110	1201	3			1
HD175191		2 -26 17 47	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	110	1201	3			1
		2 -26 17 47	HRS	ACCUM	Ø.25	ECH-B22	2589	1	110	1201	3			1
HD175191		2 -26 17 47	HRS	ACCUM	Ø.25	ECH-B22	2603	1	110	1201	3			1
HD175191	18 99 18.	2 -26 17 47	HRS	ACCUM	Ø.25	ECH-B28	2027	1	110	1201	3			1

Target	RA (20	900)	Dec (2	2000)	Inst. O	perating Mode	Aperture	Spectra I Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A36	1547	1	110	1201	3		1
HD175191	18 55	18.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A37	1529	1	110	1201	3		ī
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A45	1240	1	110	1201	3		ī
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A45	1250	1	110	1201	3		ī
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-B24	2263	1	110	1201	3		1
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	G14ØM	1198	1	6Ø	1201	3		1
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A34	1654	1	110	1201	3		1
HD175191	18 55	16.2	-28 1	7 47	HRS	ACCUM	Ø.25	ECH-A42	1326	1	110	12Ø1	3		1
HD175191	18 55	18.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-A43	1303	1	110	1201	3		1
HD175191		16.2		7 47	HRS	ACCUM	Ø.25	ECH-B2Ø	2854	1	110	1201	3		1
HD175191	18 55	16.2	-26 1	7 47	HRS	ACCUM	Ø.25	ECH-B22	2518	1	110	1201	3		1
HD175191	18 55	18.2	-26 1	.7 47	HRS	ACCUM	Ø.25	ECH-B31	1818	1	110	12Ø1	3		1
GRW+7Ø-8247	19 Ø			9 52	FOS/BL	ACCUM	Ø.5	G19ØH	1900	1	1200	1049	1		1
GRW+7Ø-8247		10.1		9 52	FOS/BL	ACQ/BINA		MIRROR		1	2	1049	1	ACQ	1
GRW+7Ø-8247		10.1		9 52	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	3ØØ	1Ø49	1		1
GRW+7Ø-8247		10.1		9 52	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1440	1049	1		8
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F555W		1	3Ø	11Ø5	Ø		1
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F7Ø2W		1	3Ø	11Ø5	Ø		1
NGC6745		41.1		4 57	WFC	IMAGE	ALL	F23ØW		1	3Ø	1105	2		1
NGC6745		41.1		4 57	WFC	IMAGE	ALL	F555W		1	23Ø	1105	Ø		1
NGC6745		41.1		4 57	WFC	IMAGE	ALL	F555W		1	1400	1105	Ø		1
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F7Ø2W		1	23Ø	1105	Ø		1
NGC6745		41.1		4 57	WFC	IMAGE	ALL	F7Ø2W			1400	1105	Ø		1
NGC6745		41.1		4 57	WFC .	IMAGE	ALL	F23ØW		1	23Ø	1105	2		1
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F23ØW			1200	1105	2		1
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F23ØW			2100	1105	2		1
NGC6745		41.1		4 57	WFC	IMAGE	ALL	F555W			2300	1105	2		1
NGC8745		41.1		4 57	WFC WFC	IMAGE	ALL	F702W			2300	1105	2		1
NGC6745		41.1		4 57 4 57	WFC	IMAGE IMAGE	ALL	F785LP		1	3Ø	1105	Ø		1
NGC8745 NGC8745		41.1		4 57	WFC	IMAGE	ALL ALL	F785LP F785LP		1 1	23Ø 14ØØ	11Ø5 11Ø5	Ø		1
NGC8745		41.1		4 57	WFC	IMAGE	ALL	F785LP			2300	1105	2		1 1
FU1Ø83-5		43.7		6 40	WFC	IMAGE	ALL	F569W		1	2300 Ø	1083	2	ACO	2
FU1Ø83-5		43.7		6 40	HSP/PMT/V		1.0	F75ØW/F32ØN			1500	1083	2	ACQ	2
NGC6741	19 2	37.0	-Ø 2	8 58	IS FOC/96	IMAGE	256X256	F13ØM		1	48Ø	1254	2		1
NGC6741		37.Ø	-Ø 2		F0C/96	IMAGE	256X256	F21ØM		. 1	48Ø	1254	2		i
NGC6741		37.Ø		8 58	F0C/96	IMAGE	256X256	F278M		i	48Ø	1254	2		1
FN1Ø82-3	19 3		-21 5		WFC	IMAGE	ALL	F569W		î	9	1082	2	ACQ	2
FN1Ø82-3	19 3		-21 5		HSP/PMT/V		1.0	F75ØW/F32ØN			1500	1082	2	Acq	2
HD177724	19 5	24.6	13 5	1 48	IS HRS	ACCUM	Ø.25	ECH-B31	1810	1	33Ø	1201	2	·.	1
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-A42	1332	ī	440	1201	2		î
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	ī	220	1201	2		ī
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-B22	2589	î	220	1201	2		ī
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-B22	26ø3	ī	220	1201	2		ī
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-B28	2027	ī	220	12Ø1	2		ī
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-A36	1547	ī	110	1201	2		1
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-A36	1557	ī	660	1201	2		ī
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-A37	1529	ī	110	1201	2		ī
HD177724	19 5			1 48	HRS	ACCUM	Ø.25	ECH-A45	1250	ī	220	1201	2		1
HD177724		24.6		1 48	HRS	ACCUM	Ø.25	ECH-B25	2263	1	220	1201	2		1
								· · · · ·		-			_		_

	D. (0.000)	5 (5.55)		perating		Spectral	Central	No.	Exp.		_	Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
HD177724	19 5 24.6	3 13 51 48	HRS	ACCUM	Ø.25	ECH-A34	1654	1	110	1201	2		1
HD177724	19 5 24.6		HRS	ACCUM	Ø.25	ECH-A43	1303	ī	220	1201	2		î
	19 5 24.6		HRS	ACCUM	Ø.25	ECH-B2Ø		i					
HD177724							2854	_	220	1201	2		1
HD177724	19 5 24.6		HRS	ACCUM	Ø.25	ECH-822	2518	1	33Ø	1201	2		1
HD177724	19 5 24.6		HRS	ACCUM	Ø.25	ECH-B31	1818	1	33Ø	1201	2		1
FU1Ø83-4	19 5 25.		WFC	IMAGE	ALL	F569W		1	Ø	1Ø83	2	ACQ	2
FU1Ø83-4	19 5 25.	1 -23 1 30	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2		2
HD177989	19 7 37.6	8 -18 43 46	HRS	ACCUM	2.0	G16ØM	1540	1	6Ø	1165	2		1
		3 -18 43 46 B	HRS	ACCUM	2.0	G16ØM	1660	i	6Ø				
HD177989							7 2 3 3	_		1165	2		1
HD177989		3 -18 43 46	HRS	ACCUM	2.0	G16ØM	1810	1	60	1165	2		1
HD177989		8 -18 43 46	HRS	ACCUM	2.0	G16ØM	1860	1	6Ø	1165	2		1
HD177989	19 7 37.6	3 -18 43 46	HRS	ACCUM	2.0	G27ØM	236Ø	1	6Ø	1165	2		1
HD177989	19 7 37.6	8 -18 43 46	HRS	ACCUM	2.0	G27ØM	2590	1	6Ø	1165	2		1
HD177989	19 7 37.6	8 -18 43 46	HRS	ACCUM	2.0	G27ØM	2800	1	6Ø	1165	2		1
HD177989	19 7 37.6	8 -18 43 46	HRS	ACCUM	2.0	G27ØM	285Ø	1	6Ø	1165	2		1
HD177989		8 -18 43 46	HRS	ACCUM	2.0	ECH-B	2370	ī	18Ø	1165	2		<u> </u>
HD177989		3 -18 43 46	HRS	ACCUM	2.0	ECH-B	2600	ī	18Ø	1165	2		ī
HD177989		3 -18 43 46	HRS	ACCUM	2.0	G16ØM	1160	ī	18Ø	1165	2		ī
HD177989		8 -18 43 46	HRS	ACCUM	2.0	G27ØM	2045	î	6Ø		_		i
						ECH-B				1165	2		
HD177989		8 -18 43 46	HRS	ACCUM	2.0		2325	1	180	1165	2		1
HD177989		8 -18 43 46	HRS	ACCUM	2.0	ECH-A	1241	2	300	1165	2		1
HD177989		8 -18 43 46	HRS	ACCUM	2.0	ECH-A	1402	1	420	1165	2		1
HD177989	19 7 37.0	8 -18 43 46	HRS	ACCUM	2.0	ECH-A	1353	1	42Ø	1165	2		1
HD177989	19 7 37.0	8 -18 43 46	HRS	ACCUM	2.0	ECH-A	1391	1	420	1165	2		1
HD177989	19 7 37.0	8 -18 43 46	HRS	ACCUM	2.0	ECH-A	1549	1	420	1165	2		1-
HD177989	19 7 37.0	8 -18 43 46	HRS	WSCAN	2.0	G16ØM	1292	1	540	1165	2		1
4U19Ø7+Ø9	19 9 37.9		HSP/POL	PEAKUP	6.0	F16ØLP		1	6Ø	1097	2	ACQ	1
4U19Ø7+Ø9	19 9 37.		HSP/UV1	PEAKUP	10.0	F14ØLP		ī	6Ø	1097	2	ACQ	ī
4U19Ø7+Ø9	19 9 37.9		HSP/UV2	PEAKUP	10.0	F14ØLP		ī	6Ø	1097	2	ACQ	9
4U19Ø7+Ø9	19 9 37.		HSP/POL	STAR-SKY		F277M		ī	33	1097	2	Acq	100
			HSP/POL	STAR-SKY		F277M		î	33		2		100
4U19Ø7+Ø9				STAR-SKY		F277M				1097			100
4U19Ø7+Ø9	19 9 37.9		HSP/POL					1	33	1097	2		
4U19Ø7+Ø9	19 9 37.		HSP/UV1	STAR-SKY		F22ØW		1	120	1097	2		1
4U19Ø7+Ø9	19 9 37.9		HSP/UV2	STAR-SKY		F145M		1	120	1097	2		1
4U19Ø7+Ø9	19 9 37.9		HSP/UV2	STAR-SKY		F284M	*	1	120	1Ø97	2		1
4U19Ø7+Ø9	19 9 37.9	9 49 48	HSP/UV2	STAR-SKY		F184W		1	120	1Ø97	2		1
4U19Ø7+Ø9	19 9 37.	9 49 48	HSP/UV2	STAR-SKY		F248M		1	12Ø	1Ø97	2		1Ø
4U19Ø7+Ø9	19 9 37.9	9 49 48	HSP/POL	STAR-SKY	P0L135	F277M		1	33	1097	2		100
FN1Ø83-6	19 10 25.	7 -21 43 30	WFC [*]	IMAGE	ALL	F569W		1	Ø	1Ø83	2	ACQ	2
FN1Ø83-6	19 10 25.		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		ĩ	1500	1Ø83	2		2
			IS			• •		-		1000	-		-
NGC6752-300-PA330	19 10 31.	5 -59 54 36:	WFC	IMAGE	ALL	F555W		1	100	1112	Ø		1
NGC6752-300-PA330	19 10 31.	5 -59 54 384	WFC	IMAGE	ALL	F555W		1	300	1112	Ø		1
NGC6752-300-PA330	19 10 31.	5 -59 54 36+	WFC	IMAGE	ALL	F555W		1	1600	1112	ø		1
NGC6752-300-PA330		5 -59 54 364		IMAGE	ALL	F785LP		ī	100	1112	ø		ī
NGC6752-300-PA330		5 -59 54 38		IMAGE	ALL	F785LP		î	300	1112			i
NGC6752-366-PA336		5 -59 54 36 ₄		IMAGE	ALL	F785LP		1	1600	1112	ø		î
			WFC	IMAGE	ALL	F555W							1
NGC6752-105-NORTH	19 10 51.0							1	100	1112			
NGC6752-1Ø5-NORTH	19 10 51.0			IMAGE	ALL	F555W		1	600	1112			1
NGC6752-1Ø5-NORTH	19 10 51.0			IMAGE	ALL	F555W		2	600	1112	Ø		1
NGC6752-1Ø5-NORTH	19 10 51.0	8 -59 57 94	WFC	IMAGE	ALL	F785LP		1	400	1112	Ø		1

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.		Exp.	ID	Spe Cy. Re	
					•						-	•
NGC6752-105-NORTH	19 10 51.6	-59 57 9*	WFC	IMAGE	ALL	F785LP		4	400	1112	Ø	1
NGC6752	19 10 51.8	-59 58 54	PC	IMAGE	P6	F336W		1	2Ø	1112	3	<u> </u>
NGC6752	19 10 51.8	-59 58 54	PC	IMAGE	P6	F336W		1	100	1112	3	1
NGC6752	19 10 51.8	-59 58 54	PC	IMAGE	P6	F336W		1	8ØØ	1112	3	1
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F555W		1	3	1019	2	1
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F785LP		1	3	1019	2	1
NGC8752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	1007	Ø	10
NGC8752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F791W	8537	1	100	1007	Ø	10
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	1007	1	10
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL.	F791W	8537	1	100	1007	1	10
NGC8752		-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	2945	Ø	5
NGC8752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	100	2945	Ø	5
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	2946	1	5
NGC8752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	100	2946	1	5
NGC6752		-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	2947	1	5
NGC6752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	100	2947	1	5
NGC6752		-59 58 55	PC	IMAGE	ALL	F555W	5479	1	100	2943	Ø	5
NGC6752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	100	2943	Ø	5
NGC8752		-59 58 55	PC	IMAGE	ALL	F555W	5479	1	26	1007	Ø	3
NGC6752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	26	1007	Ø	2
NGC6752		-59 58 55	PC	IMAGE	ALL	F555W	5479	1	26	2945	Ø	3
NGC6752		-59 58 55	PC	IMAGE	ALL	F791W	8537	1	26	2945	Ø	2
NGC6752 NGC6752		-59 58 55	F0C/48	IMAGE	512X1Ø24	F175W		1	300 1500	1279 1279	3 3	1 3
NGC8752 NGC8752		-59 58 55	F0C/96	IMAGE	512X1Ø24	F43ØW F48ØLP			1500	1279	ა 3	3
NGC6752-OUTER		-59 58 55 -59 58 55	FOC/98 WFC	IMAGE IMAGE	512X1Ø24 ALL	F157W		i	120	1279	1 PA	_
NGC6752-00TER		-59 58 55	WFC	IMAGE	ALL	F555W		_	1320	1279	1 PA	
NGC6752-0UTER		-59 58 55	WFC	IMAGE	ALL	F785LP		_	1320	1279	1 PA	
FN1Ø86-1		-21 36 25	HSP/PMT/V		1.0	F75ØW/F32ØN			3600	1086	i	"
111200-1	10 11 24.4	-21 50 25	IS / I MI/V	JI LII	1.5	1 100 11/1 02011					•	•
MI-67	19 11 31.0		F0C/48	IMAGE	512X512	F195W			1Ø19	1265	1	1
MI-67	19 11 31.0		F0C/48	IMAGE	512X512	F275W			1Ø19	1265	1	1
MI-67	19 11 31.0		F0C/96	IMAGE	512X1Ø24	F486N			1Ø19	1265	1	1
MI-67	19 11 31.0		F0C/96	IMAGE	512X1Ø24	F5Ø1N			1Ø19	1265	1	1
NGC8752E1		-59 58 52*		IMAGE	ALL	F555W	5479		1000	1007	Ø	3
NGC6752E1		-59 58 52*		IMAGE	ALL	F791W	8537		1000	1007	Ø	2
NGC6752E1		-59 58 52*		IMAGE	ALL	F555W	5479	_	1000	1007	1	3
NGC6752E1		-59 58 52+		IMAGE	ALL	F791W	8537		1000	1007	1	2
NGC6752E1		-59 58 52+		IMAGE	ALL	F555W	5479 2527	_	1000	2945	Ø	3
NGC6752E1		-59 58 52+		IMAGE	ALL	F791W	8537	_	1000	2945	Ø	2
NGC6752E1		-59 58 52+		IMAGE	ALL	F555W	5479 0507		1000	2947	1	3
NGC6752E1		-59 58 52*	_	IMAGE	ALL	F791W	8537		1000	2947	1	2
\$\$433	19 11 49.6		PC	IMAGE	ALL	F648M		1	200	1138	Ø	1
SS433	19 11 49.6		PC	IMAGE	ALL 1. G	F648M			1000	1138	Ø	1
SS433 SS433	19 11 49.6		HSP/UV2	SINGLE	1.0	F14ØLP F16ØLP		1 1	6ØØ 6ØØ	1098 1098	1	11 11
\$\$433 \$\$433	19 11 49.6		HSP/UV2 HSP/POL	SINGLE SINGLE	1.Ø POLØ	F216M		1	6Ø	1098	1 1	5
SS433	19 11 49.6 19 11 49.6		HSP/POL	SINGLE	POLØ	F237M		1	6Ø	1098	1	5
SS433	19 11 49.6		HSP/POL	SINGLE	POLØ	F277M		1	6Ø	1098	1	72
SS433	19 11 49.6		HSP/POL	SINGLE	POLØ	F327M		1	6Ø	1098	i	3
SS433	19 11 49.6		HSP/POL	SINGLE-	POL45	F216M		i	6Ø	1098	i	5
SS433	19 11 49.6		HSP/POL	SINGLE	POL45	F237M		i	6ø	1098	i	5
100	1 73.0		/ 1 02		. 0270			-			-	•

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Target	RA (2000)	Dec (2000)	Inst. O Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
\$S433	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL45	F277M		1	6Ø	1Ø98	1		72
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL45	F327M		1	8Ø	1Ø98	1		3
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL9Ø	F216M		1	6Ø	1098	1		5
\$\$43 <b>3</b>	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL9Ø	F237M		1	6Ø	1098	1		5
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL9Ø	F277M		1	6Ø	1Ø98	1		72
\$\$433	19 11 49.6	4 58 58	HSP/POL	SINGLE	POL9Ø	F327M		1	6Ø	1098	1		3
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	P0L135	F216M		1	6Ø	1Ø98	1		5
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	P0L135	F237M	•	1	- 60	1Ø98	1		5
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	P0L135	F277M	•	1	6Ø	1Ø98	1		72
SS433	19 11 49.6	4 58 58	HSP/POL	SINGLE	P0L135	F327M		1	6Ø	1098	1		3
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	F5Ø2M		1	300	1261	Ø		2
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	PRISM1		1	300	1261	Ø		2
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	PRISM2		1	1800	1261	Ø		2
SS433	19 11 49.6	4 58 57	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	200	1261	1		2
SS433	19 11 49.6	4 58 57	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	300	1261	1		4
SS433	19 11 49.6	4 58 57	F0C/96	IMAGE	512X512	PRISM1	495Ø	1	300	1261	1		. 4
SS433	19 11 49.6	4 58 57	F0C/96	IMAGE	512X512	PRISM2	495Ø	1	500	1261	1		4
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	F5Ø2M	4950	1	100	1261	Ø		2
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	F5Ø2M	4950	1	200	1261	Ø		2
SS433	19 11 49.6	4 58 57	F0C/288	IMAGE	512X512	F5Ø2M	4950	1	900	1261	Ø		2
V1343-AQL	19 11 49.6	4 58 58	FOS/RD	ACCUM	1.0	PRISM		1	1000	1051	Ø		1
V1343-AQL	19 11 49.6	4 58 58	FOS/RD	ACQ/BINA	4.3	MIRROR		1	3	1051	Ø	ACQ	1
V1343-AQL	19 11 49.6		F0C/288	OCC	512X512-FØ.4	CLEAR		1	1000	1051	Ø		1
FU1Ø82-3		-22 50 24	WFC	IMAGE	ALL	F569W		1	Ø	1Ø82	1	ACQ	2
FU1Ø82-3	19 12 5.6	7 -22 50 24	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1		2
W1Ø62	19 12 14.3	2 53 14	FGS	TRANS	ANY	F583W		1	2000	1003	Ø		3
W1Ø62	19 12 14.3		FGS	TRANS	ANY	F583W	•	1	2000	1003	1		1
HD179761	19 13 42.7		HRS	ACCUM	Ø.25	ECH-B	1942	1	235	1182	2		1
PSR1913+16	19 15 28.0	16 6 27	PC	IMAGE	ALL	F6Ø6W	6751	1	900	1061	1		1
PSR1913+16	19 15 28.0		WFC	IMAGE	ALL	F7Ø2W		2	900	1101	1	ACQ	1
PSR1913+16	19 15 28.0	16 6 27	HSP/PMT/V IS	SPLIT	1.ø	F75ØW/F32ØN		1 1	9187	1101	1		1
GL752B	19 16 58.6	5 8 56	FOS/BL	RAPID	4.3	G13ØH	1300	1	900	1180	1		1
GL752B	19 16 58.6	5 8 56	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1180	1	ACQ	1
VYS65-B	19 16 58.6		F0C/96	IMAGE	512X512	F372M		1	800	1274	Ø		1
VB1Ø	19 17 28.0		PC	IMAGE	P6	F6Ø6W		1	4Ø	11Ø9	1		6
FN1Ø82-4	19 17 35.9		WFC	IMAGE	ALL	F569W		1	Ø	1Ø82	1	ACQ	2
FN1Ø82-4	19 17 35.9	-21 29 6	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1		2
FN1Ø83-4	19 17 35.9		WFC	IMAGE	ALL	F569W		1	Ø	1Ø83	1	ACQ	3
FN1Ø83-4	19 17 35.9	-21 29 6	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1		2
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-A	133Ø	1	1255	1182	3		1
HD1823Ø8	19 19 46.1	64 23 27	HRS	ACCUM	Ø.25	ECH-A	1335	1	1251	1182	3		1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-A	1362	1	2Ø8Ø	1182	1		1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-A	1649	1	289Ø	1182	1		. 1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-B	1739	1	2020	1182	1		1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-B	1849	1	755	1182	1		1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-B	2354	1	235	1182	1		1
HD1823Ø8	19 19 46.1		HRS	ACCUM	Ø.25	ECH-B	2536	1	410	1182	1		1
HD1823Ø8	19 19 46.1	64 23 27	HRS	ACCUM	Ø.25	ECH-A	1378	1	1210	1182	3		1

Target	RA (26	500)	Dec	(201	ØØ)	Inst. O	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID	Cy.	Spec. Req.	Tot Lin	
HD1823Ø8	19 19	46.1	. 64	23	27	HRS	ACCUM	Ø.25	ECH-A	1677	1	284Ø	1182	3			1
HD1823Ø8	19 19	46.1	64	23	27	HRS	ACCUM	Ø.25	ECH-B	1942	1	694	1182	1			ī
FU1Ø83-8	19 20	9.6	-22	38	35	WFC	IMAGE	ALL.	F569W		1	Ø	1Ø83	3	ACQ		2
FU1Ø83-8	19 20	9.6	-22	38	35	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	•		2
100501	10.00					IS	T144.05	41.4	ForeN					_			_
AS353A AS353A	19 29				55	PC	IMAGE	ALL	F656N		1	1000	1121	3			1
		30.9			55	PC	IMAGE	ALL	F7Ø2W		1	Ø	1121	3	ACQ		1
AS353A		30.9			55	PC	IMAGE	ALL-ND	F7Ø2W	1500	1	120	1121	3			2
ES0141-G55		14.3				HRS	ACCUM	2.0	G14ØL	1590	1	1140	1170	2			1
ES0141-G55		14.3				HRS	ACCUM	2.0	G2ØØM	2Ø35	1	300	1170	2			1
ES0141-G55		14.3				HRS	ACCUM	2.0	G14ØL	1315	1	84Ø	1170	2			1
ES0141-G55		14.3				HRS	ACCUM	2.0	G27ØM	2805	1	120	1170	2			1
ES0141-G55		14.3			_	HRS	ACCUM	2.0	G27ØM	2845	1	120	1170	2			1
ES0141-G55		14.3				HRS	ACCUM	2.0	G27ØM	2885	1	120	1170	2			1
ES0141-G55	19 21	14.3	-58	40	13	HRS	ACCUM	2.0	G2ØØM	1923	1	300	1170	2			1
ES0141-G55	19 21	l 14.3	-58	40	13	HRS	ACCUM	2.0	G2ØØM	1961	1	3ØØ	117Ø	2			1
ES0141-G55	19 21	14.3	-58	40	13	HRS	ACCUM	2.0	G2ØØM	1997	1	3ØØ	1170	2			1
ES0141-G55	19 21	14.3	-58	40	13	HRS	ACCUM	2.0	G27ØM	2921	1	18Ø	1170	2			1
ES0141-G55	19 21	14.3	-58	40	13	HRS	ACCUM	2.0	G27ØM	2961	1	18Ø	1170	2			1
ES0141-G55	19 21	14.3	-58	40	13	HRS	ACCUM	2.0	G27ØM	3001	1	24Ø	1170	2			1
FN1Ø83-8	19 23	3 14.6	-21	. 22	3Ø	WFC	IMAGE	ALL	F569W		1	Ø	1Ø83	3	ACQ		2
FN1Ø83-8	19 23	3 14.6	-21	22	3Ø	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	·		2
S118	19 23	3Ø.1	-22	2	39	IS HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1 :	10800	1081	Ø	CON S	SEL	1
INCA221-126-AST1	19 24	10.9	-29	7	28	FGS	POS	2	F55ØW		1	Ø	1475	Ø	CON F	PAR	1
INCA221-126-AST1		10.9			28	FGS	POS	2	F55ØW		ī	ø	1475	2	CON F		i
INCA221-128-AST1		10.9			28	FGS	POS	2	F55ØW		ĩ	16	1475	ø	CON F		ī
INCA221-126-AST1		10.9			28	FGS	POS	2	F55ØW		ĩ	16	1475	2	CON		ī
INCA221-126-AST2		31.4				FGS	POS	2	F55ØW		ī	ø	1475	ø	CON F		î
INCA221-126-AST2		31.4			ī	FGS	POS	2	F55ØW		ī	ø	1475	2	CON F		ī
CH-CYG		33.1		14		F0C/98	IMAGE	512X512	F278M		ī	600	1253	1	COIT	AIV.	ì
CH-CYG		33.1		14		F0C/96	IMAGE	512X512	F5Ø1N		ī	600	1253	î			i
POINT1928+738INCA221						S/C	POINTING		1 ODIN		ī	Ø	1571	ø			1
-128	13 24	. 30.3	, ,		30	3/0	TOTIVITIVE	**			•	U	10/1	. 20			-
POINT1928+738INCA221 -128	19 24	36.3	73	58	58	S/C	POINTING	V1			1	Ø	1571	2			1
1921-293INCA221-126	19 24	51.1	-29	14	31	FGS	POS	2	F583W		1	51	1571	2			6
1921-293INCA221-126	19 24	51.1	-29	14	31	PC	IMAGE	P8	F6Ø6W		1	16	1475	Ø	CON		1
1921-293INCA221-126		51.1				PC	IMAGE	P8	F6Ø6W		1	16	1475	2	CON		ī
1921-293INCA221-126		51.1				PC	IMAGE	P8	F725LP		1	3Ø	1475	ø	CON		ī
1921-293INCA221-126		51.1				PC	IMAGE	P8	F725LP		ī	3Ø	1475	2	CON		ī
INCA221-126	19 28		-29			FGS	POS	2	F5ND		ī	51	1571	2	COIT		4
INCA221-126	19 28		-29			PC	IMAGE	P8	F658N		î	ø	1475	ø	CON		1
INCA221-126	19 28		-29 -29			PC	IMAGE	P8	F658N		i	Ø	1475	2	CON		1
POINT1921-293INCA221	_					s/c	POINTING		1 00011		1	Ø	1571	2	COM		2
-126	19 20	01.5	-28	14	47	3/6	1 OTH LTING	**			1	10	19/1	, 2			2
INCA221-128	10.00	40.9	74	_	5Ø	FGS	POS	2	F583W		1	51	1571	ø			3
INCA221-128					5Ø	FGS	POS	2	F583W		1			-			-
		40.9									_	51 7720	1571	2	CON	CEI	2
\$120	19 21	18.1	-22	9	Ø	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	7739	1Ø81	Ø	CON S	DEL.	1
FN1Ø82-7	19 27	43.9	-21	12	54	WFC	IMAGE	ALL	F569W		1	Ø	1Ø82	2	ACQ		2

Target	RA (26	900)	Dec	(200	8Ø)	Inst. O	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.		
FN1Ø82-7	19 27	7 43.9	-21	12	54	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	2			2
FN1Ø83-7	19 27	7 43.9	-21	12	<b>5</b> 4	WFC	IMAGE	ALL	F569W		1	ø	1Ø83	2	ACQ		•
FN1Ø83-7	19 27	7 43.5	-21	12	54	HSP/PMT/V		1.0	F750W/F32ØN		1	1500	1083	2	ACQ		3 2
1928+738INCA221-128	19 27	7 48.5	73	58	1	FGS	POS	2	F583W		1	51	1571	ø			
1928+738INCA221-128		7 48.5		58	ī	FGS	POS	2	F583W		i	51	1571	2			4
4C73.18		7 48.6		58	2	FOS/BL		_			1	11	1025		4.00		3
4073.18		7 48.6		58	2	FOS/RD	ACQ/BINA	4.3	MIRROR		_			2	ACQ		1
4C73.18						•	ACQ/BINA		MIRROR	0750	1	11	1025	2	ACQ		2
		7 48.6		58	2	FOS/RD	ACCUM	1.0	G27ØH	2753	1	600	1025	2			1
4073.18		48.6		58	2	FOS/BL	ACCUM	1.0	G16ØL	1837	1	120	1025	2			1
4C73.18		48.6		58	2	FOS/RD	ACCUM	1.0	G19ØH	198ø	1	72Ø	1Ø25	2			1
FU1Ø82-6		1 32.5				WFC	IMAGE	ALL	F569W		1	Ø	1082	2	ACQ		2
FU1Ø82-8	19 31	1 32.5	-22	15	22	HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	2			2
HD185395	19 36	3 26.5	50	13	16	HRS	ACCUM	Ø.25	ECH-B	2497	2	27ØØ	1Ø64	3			1
HD185395	19 36	3 26.5		13		HRS	ACCUM	Ø.25	G27ØM	2497	2	36Ø	1064	. 3			î
PKS1934-63		24.9				F0C/96	IMAGE	512X512	F21ØM	2140	ī	400	1227	2			î
PKS1934-63		24.9				F0C/48	SPEC	256X1Ø24-SLIT			ī	700	1227	2			i
PSR1937+21		38.6		34		WEC	IMAGE	ALL	F7Ø2W		2	900	1101	1	4.00		
PSR1937+21		38.6		34		HSP/PMT/V							1101	1	ACQ		1
		•				IS		1.0	F75ØW/F32ØN		1 1	.9187	1101	Ţ			1
NGC68Ø9		9 59.4				PC	IMAGE	ALL	F555W	-	1	-5	1019	2			1
NGC88Ø9	19 39	9 59.4	-30	57	44	PC	IMAGE	ALL	F785LP		1	5	1019	2			1
3C4Ø2	19 41	42.1	. 50	37	56	FOS/RD	ACCUM	Ø.5	PRISM	5400	1	500	1Ø33	2	CON		1
3C4Ø2	19 41	42.1	. 50	37	56	F0C/96	IMAGE	512X512	F37ØLP	4040	1	300	1Ø33	ø			ī
3C4Ø2		42.1		37		F0C/96	IMAGE	512X512	F32ØW	3251	ī	3ØØ	1033	ø			i
3C4Ø2-FIELD		42.1		37		WFC	IMAGE	ALL	F439W	4353	ī	15	1033	2	ACQ	CON	ī
															•		
3C4Ø2-OFFSET		42.1				FOS/RD	ACQ/BINA		MIRROR		1	11	1Ø33	2	ACQ	CON	1
3C4Ø2N		42.1		37		F0C/98	IMAGE	512X512	F32ØW		1	300	1228	2			1
3C4Ø2N		l 42.1		37		F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2			1
3C4Ø2N		42.1		37		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON		1
3C4Ø2N	19 41	l 42.1	. 5Ø	37	57	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON		1
HM-SGE	19 41	57.1	. 16	44	40	F0C/96	IMAGE	512X512	F278M		1	600	1253	2			1
HM-SGE		57.1			4Ø	F0C/96	IMAGE	512X512	F5Ø1N		1	600	1253	2			1
NGC6814-OFFSET-STARS	19 42	39.9	-10	19	1*	WFC	IMAGE	ALL	F6Ø6W		1	15	1036	Ø	ACQ		1
-FIELD								•			_		· <del>-</del>				_
NGC6814	19 42	40.8	-10	19	25	PC	IMAGE	ALL	F194W		1	9ØØ	1Ø36	Ø	ACQ		1
NGC6814		40.8				PC	IMAGE	ALL	F375N		ī	900	1036	õ	ACQ		ī
NGC6814		40.8				PC	IMAGE	ALL	F5Ø2N		ī	900	1036	ø	ACQ		ī
NGC6814		40.6				PC	IMAGE	ALL	F664N		3	300	1036	ø	•		
NGC6814		40.6				PC	IMAGE	ALL			-				ACQ		1
NGC6814									F23ØW		1	720	1036	Ø	ACQ		1
NGC6814		40.6				PC	IMAGE	ALL	F547M		1	180	1036	Ø	ACQ		1
		2 40.6				FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC6814		40.6				FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1Ø36	2	SEL		1
NGC6814		2 40.6				FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		1
NGC6814		2 4Ø.8				FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø36	2	CON	SEL	1
NGC6814		2 40.6				FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	CON	SEL	1
NGC8814	19 42	2 4Ø.6	-10	19	25	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	2	ACQ		2
NGC6814	19 42	2 40.6	-10	19	25	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1ø36	2	SEL ACQ	CON	1
															SEL		

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Tot Lin	
NGC6814-CLOUD1	19 42 40.6	-10 19 25*	F0S/BL	ACCUM	Ø.3	G13ØH		1	600	1ø36	2	SEL		1
NGC6814-CLOUD1		-10 19 25*		ACCUM	Ø.3	G19ØH		ī	300	1036	2	SEL		ī
NGC6814-CLOUD1	19 42 40.6	-10 19 25*	FOS/RD	ACCUM	Ø.3	G27ØH		ī	300	1036	2	SEL		i
NGC6814-CLOUD1		-10 19 25+		ACCUM	Ø.3	G4ØØH		ī	300	1036	2	SEL		î
NGC6814-CLOUD1		-10 19 25*		ACCUM	Ø.3	G57ØH		ī	300	1036	2	SEL		ī
NGC6814-CLOUD2		-10 19 25*		ACCUM	Ø.3	G13ØH		ī	600	1036	2	SEL		ī
NGC6814-CLOUD2	· ·	-10 19 25*	, -	ACCUM	Ø.3	G19ØH		ī	300	1036	2	SEL		ī
NGC8814-CLOUD2		-10 19 25+		ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		ī
NGC6814-CLOUD2		-10 19 25*		ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC6814-CLOUD2	19 42 40.6	-1Ø 19 25*	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1036	2	SEL		ī
NGC6814-CLOUD3	19 42 40.6	-1Ø 19 25*	FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1036	2	SEL		1
NGC6814-CLOUD3	19 42 40.6	-1Ø 19 25*	FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1036	2	SEL		1
NGC6814-CLOUD3	19 42 40.6	-1Ø 19 25±	FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1Ø36	2	SEL		1
NGC8814-CLOUD3	19 42 40.6	-10 19 25*	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1Ø36	2	SEL		1
NGC6814-CLOUD3	19 42 40.6	-1Ø 19 25*	FOS/BL	ACCUM	Ø.3	G13ØH		1	600	1Ø36	2	CON S	EL	1
NGC6814-CLOUD3	19 42 40.6	-10 19 25*	FOS/BL	ACCUM	Ø.3	G19ØH		1	300	1036	2	CON S	EL	1
NGC6814-CLOUD4	19 42 40.6	-10 19 25*	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1Ø36	2	SEL		1
NGC6814-CLOUD5	19 42 40.6	-1Ø 19 25*	FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1036	2	SEL		1
NGC6814-OFFSET-STAR	19 42 40.6	-1Ø 19 25 <b>*</b>	FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	2	ACQ S	EL	2
NGC6814-OFFSET-STAR		-10 19 25 <b>+</b>	FOS/RD	ACQ/BINA	4.3	MIRROR		1	1	1Ø36	2	ACQ S	EL	1
NGC6826	19 43 27.2		PC	IMAGE	ALL	F157W		1	120	1212	2			1
NGC6826	19 43 27.2		PC	IMAGE	ALL	F194 <b>W</b>		1	120	1212	2			1
NGC6826	19 43 27.2		PC	IMAGE	ALL	F517N		1	120	1212	2			1
NGC6826	19 43 27.2		HRS	ACCUM	2.0	G14ØL	1420	1	72	1212	2			1
NGC6828	19 43 27.2		HRS	ACCUM	2.0	G14ØL	1250	1	36	1212	2			1
NGC6826	19 43 27.2		HRS	ACCUM	2.0	G14ØL	1670	1	216	1212	2			1
NGC6822-1		-14 43 18	WFC	IMAGE	ALL	F284W		1	300	1073	1			1
NGC8822-1		-14 43 18	WFC	IMAGE	ALL	F375N		1	900	1073	1			1
NGC6822-1		-14 43 18	WFC	IMAGE	ALL	F656N		1	300	1073	1			1
NGC6822-1	19 45 5.2		WFC	IMAGE	ALL	F487N		1	240	1073	1			1
NGC6822-1		-14 43 18	WFC	IMAGE	ALL	F487N			1200	1073	1			1
NGC6822-1		-14 43 18	WFC	IMAGE	ALL	F5Ø2N		1	420	1073	1			1
NGC6822-1		-14 43 18	WFC	IMAGE	ALL	F547M		1	240	1073	1			1
CK-VUL	19 46 16.9		F0C/96	IMAGE	512X512	F486N			1200	1253	2			1
CK-VUL	19 46 16.9 19 50 11.9		F0C/96	IMAGE	512X512	F5Ø1N	1 400		1200	1253	2			1
CI-CYG CI-CYG	19 5Ø 11.9 19 5Ø 11.9		HRS HRS	ACCUM	Ø.25	G16ØM	1400	1	900	1198	Ø			1
CI-CYG	19 50 11.9		HRS	ACCUM ACCUM	Ø.25 Ø.25	G16ØM	124Ø 155Ø	1 1	762 84	1198 1198	Ø			1
CI-CYG	19 50 11.9		HRS	ACCUM	Ø.25 Ø.25	G16ØM G2ØØM		1	55	1198	Ø			1
CI-CYG	19 50 11.9		HRS	ACCUM	Ø.25	G27ØM	1900 2790	1	246	1198	Ø			1
CI-CYG	19 50 11.9		HRS	ACCUM	Ø.25	G16ØM	1485	1	468	1198	Ø			1
CI-CYG	19 50 11.9		HRS	ACCUM	Ø.25	G27ØM	2830	1	136	1198	ø			i
CI-CYG	19 50 11.9		HRS	ACCUM	Ø.25	G2ØØM	1653	1	217	1198	ø			i
CTB-8Ø	19 52 58.3		PC	IMAGE	ALL	F7Ø2W	1009		1800	1098	2	ACQ		1
CTB-8Ø	19 52 58.3		HSP/VIS	SINGLE	Ø.4	F16ØLP			1200	1098	2	CON		2
CTB-8Ø	19 52 58.3		FOS/RD	ACCUM	Ø.3	G85ØL	6000	_	1200 1800	1098	2	CON		1
PSR1953+29	19 55 27.9		WFC	IMAGE	ALL	F7Ø2W	~~~~	2	900	1101	1	ACQ		i
PSR1953+29	19 55 27.9		HSP/PMT/V	SPLIT	1.0	F750W/F32ØN			9187	1101	i	~~ <b>q</b>		î
			IS			1 10011/1 02011		• •			•			•
V1Ø16CYG	19 57 5.0		F0C/96	IMAGE	512X512	F278M		1	6ØØ	1253	1			1
V1Ø16CYG	19 57 5.0		F0C/96	IMAGE	512X512	F5Ø1N		1	6ØØ	1253	1			1
CYG-XR-1	19 58 21.6	35 12 6	HSP/UV2	SINGLE	1.0	F14ØLP		3	600	1Ø94	Ø			3

Tangat	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp.	TD		Spec.	Total
Target	KA (2000)	Dec (2000)	coming.	MOUG	Aper cure	Ciement	наче.	Exp.	Time	ID	cy.	Req.	Lines
HDE226868	19 58 21.6	35 12 6	HSP/UV1	SINGLE	1.0	F22ØW		1	20	1Ø97	1		1
HDE226868	19 58 21.6	35 12 6	HSP/UV2	SINGLE	1.0	F145M		ī	20	1Ø97	1		ī
HDE226868	19 58 21.6	35 12 6	HSP/UV2	SINGLE	1.0	F184W		ī	20	1097	1		ĩ
HDE226868	19 58 21.6	35 12 6	HSP/UV2	SINGLE	1.0	F248M		ī	20	1097	ī		10
HDE226868	19 58 21.6		HSP/UV2	SINGLE	1.0	F284M		ī	20	1097	ī		1
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POLØ	F216M		ī	3Ø	1Ø97	ī		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POLØ	F237M		ī	3Ø	1097	ī		4
HDE226868	19 58 21.6		HSP/POL	SINGLE	POLØ	F277M		ī	3Ø	1097	ī		40
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POLØ	F327M		1	3Ø	1097	1		4
HDE226868	19 58 21.6	35 12 6	HSP/UV1	PEAKUP	10.0	F14ØLP		ī	6Ø	1097	ī	ACQ	i
HDE226868	19 58 21.6		HSP/UV2	PEAKUP	10.0	F14ØLP		ī	6ø	1097	1	ACQ	10
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POL45	F216M		ī	3Ø	1097	ī		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POL45	F237M		ī	3Ø	1097	1		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POL45	F277M		ī	3Ø	1097	1		40
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	POL45	F327M		1	3Ø	1Ø97	1		4
HDE226868	19 58 21.6		HSP/POL	SINGLE	POL9Ø	F216M		1	3Ø	1Ø97	1		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L9Ø	F237M		1	3Ø	1Ø97	1		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L9Ø	F277M		1	3Ø	1Ø97	ī		40
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L9Ø	F327M		1	3Ø	1097	1		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L135	F216M		1	3Ø	1097	1		4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L135	F237M		1	3Ø	1097	1		. 4
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L135	F277M		ī	3Ø	1097	1		40
HDE226868	19 58 21.6	35 12 6	HSP/POL	SINGLE	P0L135	F327M		1	3Ø	1Ø97	1		4
3C4Ø5	19 59 28.3	40 44 1	F0C/98	IMAGE	512X512	F5Ø2M	4950	1	400	1227	2		1
3C4Ø5	19 59 28.3	40 44 1	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4450	1	500	1227	2		1
CYGNUS-A	19 59 28.4	40 44 1	FDC/96	IMAGE	512X512	F13ØM		1	600	1228	2		1
CYGNUS-A	19 59 28.4	40 44 1	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
CYGNUS-A	19 59 28.4	40 44 1	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2		1
CYGNUS-A	19 59 28.4	40 44 1	F0C/48	IMAGE	512X512	F18ØLP		1	6ØØ	1228	2	CON	1
CYGNUS-A	19 59 28.4	40 44 1	F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F555W		1	3Ø	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F675W		1	3Ø	11Ø5	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F555W		1	23Ø	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F555W			1400	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F555W		1	23ØØ	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F675W		1	23Ø	11Ø5	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F675W			1400	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F675W			2300	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL.	F785LP		1	3Ø	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F785LP		1	23Ø	1105	1		1
3C4Ø5	19 59 28.4	40 44 1	WFC	IMAGE	ALL	F785LP		_	1400	1105	1		1
3C4Ø5	19 59 28.4		WFC	IMAGE	ALL	F785LP			2300	1105	1		1
NGC6853	19 59 32.5	22 43 11	WFC	IMAGE	ALL	F469N			2100	1107	Ø		1
NGC6853	19 59 32.5		WFC	IMAGE	ALL	F656N			2100	1107	Ø		1
NGC6853	19 59 32.5		WFC	IMAGE	ALL	F658N			2100	1107	Ø		1
NGC6853	19 59 32.5	and the second s	WFC	IMAGE	ALL	F656N			2100	1107	3		1
3C4Ø5	19 59 32.9		PC	IMAGE	ALL	F6Ø6W			1200	1058	2		1
NGC6853	19 59 41.6		FGS	POS	2	F55ØW		1	52	1000	Ø		8
NGC6853	19 59 41.6		FGS	POS POS	2	F55ØW		1	52	1000	1		20
NGC6853	19 59 41.6		FGS	POS	2	F55ØW		1	52	1000	2		20
NGC6853	19 59 41.6		FGS	POS	2	F55ØW		1	52	293Ø	Ø		8
NGC8853	19 59 41.6	22 43 22	FGS	POS	2	F55ØW		1	52	293Ø	1		20

NGC6853 19	3 24 3 24 3 24 3 24 3 3 24 3 3 30 3 30 4 18 4 18 6 29	8 22 43 22 8 22 43 22 1 -32 51 48 3 -32 51 44 3 -32 51 44 3 -32 51 44 Ø 16 1 52 Ø 16 1 52 5 -55 43 34 5 -55 43 34	Inst. O Config.  FGS FGS FGS FOC/96 WFC FOS/RD  FOS/RD  HRS HRS FOC/96	POS TRANS TRANS TRANS IMAGE IMAGE ACQ/BINA ACQ/BINA		Spectral Element F550W F583W F583W PRISM1 F606W MIRROR	Central Wave. 3575	No. Exp.	Exp. Time 52 100 100 900 3000 28	ID 2930 1000 2930 1235 1045 1045		ACQ C SEL ACQ C	0N	
NGC6853 19 NGC6853 19 NGC6853 19 NGC6853 20 PKS2000-330 20 PKS2000-330 20 PKS2000-330 20 HD190229 20 HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	9 59 41. 9 59 41. 9 59 41. 9 3 24. 9 3 24. 9 3 24. 9 3 34. 9 3 30. 9 4 18. 9 4 18. 9 6 29.	6 22 43 22 8 22 43 22 8 22 43 22 1 -32 51 48 3 -32 51 44 3 -32 51 44 3 -32 51 44 0 16 1 52 0 16 1 52 5 -55 43 34 5 -55 43 34	FGS FGS FGC/98 WFC FOS/RD FOS/RD HRS	POS TRANS TRANS IMAGE IMAGE ACQ/BINA ACQ/BINA	2 ANY ANY 512X512 ALL 4.3	F55ØW F583W F583W PRISM1 F6Ø6W MIRROR		1 1 1 1 1	52 100 100 900 3000 26	293Ø 100Ø 293Ø 1235 1045 1045	2 Ø Ø Ø Ø 1	ACQ C	2 ON	2Ø 1 1 1
NGC6853 19 NGC6853 19 2000-330 20 PKS2000-330 20 PKS2000-330 20 PKS2000-330 20  HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	9 59 41. 9 59 41. 3 24. 3 3 24. 3 3 24. 3 3 24. 3 3 24. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8 22 43 22 8 22 43 22 1 -32 51 48 3 -32 51 44 3 -32 51 44 3 -32 51 44 Ø 16 1 52 Ø 16 1 52 5 -55 43 34 5 -55 43 34	FGS FGS FOC/96 WFC FOS/RD FOS/RD HRS HRS	TRANS TRANS TRANS IMAGE IMAGE ACQ/BINA ACQ/BINA	ANY ANY 512X512 ALL 4.3	F583W F583W PRISM1 F606W MIRROR	3575	1 1 1 1	100 100 900 3000 26	1000 2930 1235 1045 1045	Ø Ø Ø 1	ACQ C	0N	1 1 1
NGC6853 19 2000-330 20 PKS2000-330 20 PKS2000-330 20 PKS2000-330 20 HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	59 59 41 3 24 3 3 24 3 3 24 3 3 24 3 3 24 3 3 30 3 30 3 30 4 18 4 18 6 29	8 22 43 22 1 -32 51 48 3 -32 51 44 3 -32 51 44 3 -32 51 44 8 18 1 52 8 18 1 52 6 18 1 52 5 -55 43 34 5 -55 43 34	FGS FOC/98 WFC FOS/RD FOS/RD HRS HRS	TRANS IMAGE IMAGE ACQ/BINA ACQ/BINA	ANY 512X512 ALL 4.3	F583W PRISM1 F606W MIRROR	3575	1 1 1 1	100 900 3000 26	293Ø 1235 1Ø45 1Ø45	Ø Ø Ø 1	ACQ C	0N	1 1 1 1
2000-330 20 PKS2000-330 20 PKS2000-330 20 PKS2000-330 20 HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	3 24 3 24 3 24 3 24 3 3 24 3 3 30 3 30 4 18 4 18 6 29	1 -32 51 46 3 -32 51 44 3 -32 51 44 3 -32 51 44 3 -32 51 44 6 16 1 52 6 16 1 52 5 -55 43 34 5 -55 43 34	FOC/98 WFC FOS/RD FOS/RD HRS HRS	TRANS IMAGE IMAGE ACQ/BINA ACQ/BINA	ANY 512X512 ALL 4.3	PRISM1 F6Ø6W MIRROR MIRROR	3575	1 1 1	900 3000 26	1235 1045 1045	Ø Ø 1	ACQ C		1
PKS2000-330 20 PKS2000-330 20 PKS2000-330 20 HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	3 24. 3 24. 3 24. 3 3 24. 3 3 3 3 3 3 3 3 3 4 18. 3 4 18. 3 6 29.	3 -32 51 44 3 -32 51 44 3 -32 51 44 8 18 1 52 8 18 1 52 5 -55 43 34 5 -55 43 34	FOC/98 WFC FOS/RD FOS/RD HRS HRS	IMAGE IMAGE ACQ/BINA ACQ/BINA ACCUM	512X512 ALL 4.3 4.3	PRISM1 F6Ø6W MIRROR MIRROR	3575	1	3ØØØ 26	1045 1045	Ø 1	ACQ C		1
PKS2ØØØ-33Ø 2Ø PKS2ØØØ-33Ø 2Ø HD19Ø229 2Ø HD19Ø229 2Ø RR-TEL 2Ø RR-TEL 2Ø HD191Ø46 2Ø	3 24 3 24 3 3 24 3 3 30 3 3 30 3 4 18 3 4 18 5 6 29	3 -32 51 44 3 -32 51 44 3 -32 51 44 8 18 1 52 8 18 1 52 5 -55 43 34 5 -55 43 34	WFC FOS/RD FOS/RD HRS HRS	IMAGE ACQ/BINA ACQ/BINA ACCUM	ALL 4.3 4.3	F6Ø6W MIRROR MIRROR		1	26	1Ø45	1	ACQ C		_
PKS2000-330 20 HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	3     24       3     30       3     30       3     418       4     18       6     29	3 -32 51 44 Ø 16 1 52 Ø 16 1 52 5 -55 43 34 5 -55 43 34	FOS/RD HRS HRS	ACQ/BINA ACCUM	4.3	MIRROR						SEL		4
HD190229 20 HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	3 30 3 30 3 30 3 30 4 18 3 4 18 3 6 29 3	0 16 1 52 0 16 1 52 5 -55 43 34 5 -55 43 34	HRS HRS	ACCUM				1	26	1Ø45	2		ON	1
HD190229 20 RR-TEL 20 RR-TEL 20 HD191046 20	3 30 3 4 18 3 4 18 5 6 29	0 16 1 52 5 -55 43 34 5 -55 43 34	HRS		Ø.25							SEL		3
RR-TEL 20 RR-TEL 20 HD191046 20	7 4 18 7 4 18 7 6 29	5 -55 43 34 5 -55 43 34	7	ACCLIN		ECH-A	1362	1	516	1182	2	OLL.		1
RR-TEL 20 HD191046 20	7 4 18 7 6 29	5 -55 43 34	F0C/98	ACCOM	Ø.25	ECH-B	1942	1	281	1182	2			1
HD191046 20	8 29.		,	IMAGE	512X512	F278M		1	600	1253	2			1
			F0C/98	IMAGE	512X512	F5Ø1N		1	600	1253	2			1
INCA221-131 2Ø	7 Q E7		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	5ØØ	1228	Ø	CAL		1
		7 -49 4 41	FGS	POS	2	F55ØW		1	51	1571	2			4
INCA221-131 20		7 -49 4 41	FGS	POS	2	F55ØW		1	51	1571	3			2
2005-489INCA221-131 20		4 -48 49 53	FGS	POS	2	F55ØW		1	51	1571	2			6
2005-489INCA221-131 20		4 -48 49 53	FGS	POS	2	F55ØW		1	51	1571	3			3
NGC6868 2Ø		8 -48 22 33	FDC/98	IMAGE	512X512	F32ØW		1	600	1057	2			1
NGC6868 2Ø		8 -48 22 33	F0C/98	IMAGE	512X512	F5Ø2M		1	300	1Ø57	2			1
NGC6868 2Ø		8 -48 22 33	F0C/288	IMAGE	512X512	F32ØW		1	600	1057	2	CON		1
NGC6868 2Ø		8 -48 22 33	F0C/48	SPEC	256X1Ø24-SLIT		4500		2000	1057	2	CON		1
NGC6868 2Ø		8 -48 22 33	F0C/48	IMAGE	128X128-ASLIT	F430W	3920	1	100	1057	2	ACQ C	ON	1
POINT2005-489INCA221 20 -131	0 10 12	.8 -49 Ø 2	S/C	POINTING	V1	i i		1	Ø	1571	2			2
POINT2005-489INCA221 20 -131	ð 1Ø 12.	.8 -49 Ø 2	s/c	POINTING	<b>V1</b>			1	ø	1571	3			1
GD229 2Ø	7 12 22	3 31 13 49	FOS/BL	ACCUM	Ø.5	G19ØH	1900	1	3ØØ	1049	2			1
GD229 2Ø	Ø 12 22.	3 31 13 49	FOS/BL	ACQ/BINA	4.3	MIRROR		1	5	1049	2	ACQ		1
GD229 20	<b>7 12 22</b> .	3 31 13 49	FOS/RD	ACQ/BINA	4.3	MIRROR		1	2	1049	2	ACQ		1
	7 12 22		FOS/BL	ACCUM	Ø.5	G13ØH	1379		1200	1049	2			1
	Ø 12 22.		FOS/RD	ACCUM	Ø.5	G27ØH	2766		1440	1049	2			2
	<b>7 12 33</b> .		HSP/UV2	PRISM	1.0	F262M/F145M		_	1800	1095	1			2
	ð 12 43.		F0C/98	IMAGE	256X256	F13ØM		1	48Ø	1254	2			1
	<b>ð 12 43</b> .		F0C/96	IMAGE	256X256	F21ØM		1	48Ø	1254	2			1
NGC6886 2Ø			F0C/96	IMAGE	256X256	F278M		1	48Ø	1254	2			1
POINT-CP9.2 20		4 -30 6 34	S/C	POINTING				1	Ø	1014	2	CON		1
	<b>8</b> 15 53.		S/C	POINTING				1	Ø	1014	2			1
HD193237 20			HSP/UV2	PRISM	1.0	F262M/F145M			1800	1095	1			2
POINT-CP10.2 20			S/C	POINTING		=		1	Ø	1014	2	CON		1
Q2Ø16+112 2Ø			F0C/98	IMAGE	512X512	F48ØLP			1800	1059	2	CON		1
	Ø 19 18.		WFC	IMAGE	ALL	F555W		1	2000	1116	2	CON		1
MG2Ø16+112 2Ø			WFC	IMAGE	ALL	F555W		1	25Ø	1116	2	CON		1
·	Ø 19 18.		WFC	IMAGE	ALL	F725LP		1	2000	1116	1			1
	7 19 18		WFC	IMAGE	ALL	F725LP		1	25Ø	1116	1			1
POINT-CP10.1 20		6 -28 36 8	S/C	POINTING		Canal		1	Ø	1014	2			1
2016-527 20		7 -52 37 19	F0C/98	IMAGE	512X512	F13ØM		1	6ØØ	1244	2	•		1
		7 -52 37 19	F0C/96	IMAGE	512X512	F342W		1	300	1244	2			1
		7 -52 37 19	F0C/96	IMAGE	512X512	F43ØW		1	300	1244	2			1
2016-527 20		7 -52 37 19	F0C/96	IMAGE	512X512	F5Ø2M		1	6ØØ 72ØØ	1244	2	CON		1
S135 2Ø	<b>020</b> 5.	.5 -20 3 33	HSP/PMT/V IS	2LLT I	1.0	F75ØW/F32ØN		1	1200	1081	Ø	CON S	ᄄ	1

Fixed laigecs						•								
Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G14ØL	1280	1	3Ø	1174	1			1
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G14ØL	1280	ī	6Ø	1174	ī			ī
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G16ØM	1400	ī	300	1174	2			ī
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G16ØM	1440	1	3ØØ	1174	2			ī
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G16ØM	1240	1	300	1174	2			2
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G16ØM	1550	1	3ØØ	1174	2			2
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G16ØM	164Ø	1	3ØØ	1174	2			2
V-SGE	20 20 14.7	21 6 9	HRS	ACCUM	Ø.25	G14ØL	1555	1	3Ø	1174	1			1
V-SGE	20 20 14.7		HRS	ACCUM	Ø.25	G14ØL	1555	1	6Ø	1174	1			1
V-SGE	20 20 14.7		HRS	ACCUM	Ø.25	G27ØM	2511	1	27Ø	1174	2			2
HD193432		-12 45 33	HRS	WSCAN	Ø.25	G27ØM	2535	1	1181	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	ECH-A	1362	1	540	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	ECH-B	1942	1	368	1182	2			1
HD193432	20 20 39.8		HRS	ACCUM	Ø.25	ECH-B	1739	1	4Ø2	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	ECH-B	1783	1	272	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	ECH-B	18Ø1	1	25Ø	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	ECH-B	2082	1	125	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	G16ØM	1268	1	358	1182	2			1
HD193432		-12 45 33	HRS	ACCUM	Ø.25	G27ØM	3131	1	118	1182	2			1
HD193432		-12 45 33	HRS	WSCAN	Ø.25	G16ØM	1499		1420	1182	2			1
HD193432		-12 45 33	HRS	WSCAN	Ø.25	G2ØØM	1859	1	545	1182	2			1
HD193452		-14 47 6 -14 47 6	HRS HRS	ACCUM	Ø.25	G16ØM	1268	1	845	1182	Ø			1
HD193452 HD193452		-14 47 6 -14 47 6	HRS	ACCUM ACCUM	Ø.25 Ø.25	G27ØM ECH-B	3131	1	3Ø5	1182	Ø 2			1
HD193452	20 20 40.5		HRS	ACCUM	Ø.25	ECH-B	1942 2082	1 1	661 298	1182 1182	2			1
HD193452		-14 47 6	HRS	WSCAN	Ø.25	G16ØM	1500	_	5340	1182	ø			1
HD193452	20 20 46.5		HRS	WSCAN	Ø.25	G27ØM	2532	_	2840	1182	Ø			1
HD193452	20 20 46.5		HRS	ACCUM	Ø.25	ECH-A	1362	_	1839	1182	2			i
HD193452	20 20 46.5		HRS	WSCAN	Ø.25	G2ØØM	1858		1525	1182	ø			ī
HD193452		-14 47 8	HRS	ACCUM	Ø.25	ECH-B	1783	ī	889	1182	2			ī
HD193452		-14 47 8	HRS	ACCUM	Ø.25	ECH-B	18Ø1	ī	725	1182	2			ī
2020-370		-36 55 22	FOS/RD	ACCUM	1.0	G27ØH		_	3000	1267	ī			1
2020-370	20 23 46,3	-36 55 22	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH		_	3000	1267	2			1
2020-370	20 23 46.3	-36 55 22	FOS/RD	ACQ/BINA	1.0	MIRROR		ī	2	1267	1	ACQ		1
S133	20 25 45.9	-19 42 35	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	7200	1081	Ø	CON S	EL	1
S1Ø8/IRS3	20 27 26.8		PC	IMAGE	ALL	F656N		2	700	1138	2			1
S108/IRS3	20 27 26.8		PC	IMAGE	ALL	F7Ø2W		4	120	1138	2			1
S1Ø6/IRS3	20 27 26.8		PC	IMAGE	ALL	F85ØLP		2	100	1138	2			1
W1346	20 34 20.6		HRS	ACCUM	Ø.25	G16ØM	1300	1	500	1173	1			1
W1346	20 34 20.6		HRS	ACCUM	Ø.25	G27ØM	2800	1	140	1173	1			1
W1346	20 34 20.6		HRS	ACCUM	Ø.25	G16ØM	1335	1	500	1173	1			1
W1346	20 34 20.6		HRS	ACCUM	Ø.25	G16ØM	1253	1	88Ø	1173	1			1
\$129	20 34 37.8		HSP/PMT/V IS		1.0	F75ØW/F32ØN			.176Ø	1081	Ø	CON S	SEL	1
NGC6946-3	20 34 52.5		WFC	IMAGE	ALL	F284W		1	300	1073	2			1
NGC8948-3	20 34 52.5		WFC	IMAGE	ALL	F487N		1	600	1073	2			1
NGC8946-3	20 34 52.5		WFC	IMAGE	ALL	F487N			3000	1073	2			1
NGC6946-3	20 34 52.5		WFC	IMAGE	ALL	F547M		1	600	1073	2			1
NGC8948-3	20 34 52.5		WFC	IMAGE	ALL	F375N			2400	1073	2			1
NGC6946-3	20 34 52.5		WFC	IMAGE	ALL	F656N		1	36Ø	1073	2			1
NGC6946-3	20 34 52.5	60 12 45	WFC	IMAGE	ALL	F5Ø2N		1	1Ø19	1073	2			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
HD194Ø12	20 34 52.9	14 33 47	HRS	ACCUM	Ø.25	G27ØM	2497	2	420	1064	3	CON S	EL 1
3C418	20 38 36.9	51 19 12	F0C/96	IMAGE	512X512	F32ØW		1	3ØØ	1228	2		1
3C418	20 38 36.9	51 19 12	F0C/96	IMAGE	512X512	F346M		1	600	1228	2		1
3C418	20 38 36.9	51 19 12	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2		1
3C418	20 38 36.9	51 19 12	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C418	20 38 36.9	51 19 12	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
AE-AQR	20 40 8.9	-Ø 52 17	HSP/UV1	PRISM	1.0	F248M/F135W		2 1	LØ8ØØ	1090	1		1
HR-DEL	20 42 20.4	19 9 39	F0C/96	IMAGE	512X512	F5Ø1N		1	1200	1253	1		1
HR-DEL	20 42 20.4	19 9 39	F0C/288	IMAGE	512X512	F5Ø1N		1	1200	1253	2		1
HR-DEL	20 42 20.4	19 9 39	WFC	IMAGE	ALL	F492M		1	300	1149	.1		1
HR-DEL	20 42 20.4	19 9 39	HRS	ACCUM	2.0	G16ØM	1545	1	24Ø	1149	1		5
HD197157	20 44 2.2	-51 55 16	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD197157	20 44 2.2	-51 55 16	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD197157			F0C/288	0CC	512X1Ø24-FØ.4			1	300	1275	2		1
HD197157	20 44 2.2	-51 55 16	F0C/288	OCC	512X1Ø24-FØ.4			1	100	1275	2		1
HD197157		-51 55 16	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD197157	20 44 2.2		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD197157		-51 55 16	F0C/288	OCC /	512X1Ø24-FØ.4			1	300	1275	2		1
HD197157		-51 55 16	F0C/288	OCC .	512X1Ø24-FØ.4			1	300	1275	2		1
MKN5Ø9		-10 43 24	HRS	ACCUM	2.0	G27ØM	2590	1	300	1165	1		1
MKN5Ø9		-10 43 24	HRS	ACCUM	2.0	G27ØM	2800	1	300	1165	1		1
MKN5Ø9		-10 43 24	HRS	ACCUM	2.0	G16ØM	125Ø	4	300	1165	1		1
MKN5Ø9		-10 43 24	HRS	ACCUM	2.0	G16ØM	1540	4	300	1165	1		1
MRK5Ø9		-10 43 25	HRS	ACCUM	2.0	G2ØØM	1920	1	300	1170	1		1
MRK5Ø9		-10 43 25	HRS	ACCUM	2.0	G14ØL	1590	1	1560	1170	1		1
MRK5Ø9			HRS	ACCUM	2.0	G14ØL	1315	1 1	1200	1170	1		1
MRK5Ø9 MRK5Ø9	20 44 9.8 20 44 9.8	-10 43 25	HRS	ACCUM	2.0 2.0	G2ØØM G2ØØM	1958 1994	1	3ØØ 3ØØ	117Ø 117Ø	1 1		1
MRK5Ø9		-10 43 25	HRS HRS	ACCUM ACCUM	2.0	G2ØØM	2032	î	300	1170	1		1
MRK5Ø9	20 44 9.8 20 44 9.8	-10 43 25 -10 43 25	HRS	ACCUM	2.0	G27ØM	2918	1	180	1170	1		1 1
MRK5Ø9		-10 43 25	HRS	ACCUM	2.0	G27ØM	2958	ī	18Ø	1170	i		i
MRK5Ø9			HRS	ACCUM	2.0	G27ØM	2998	ī	18Ø	1170	i		i
MRK5Ø9	T	-10 43 25	HRS	ACCUM	2.0	G27ØM	2802	î	120	1170	ī		i
MRK5Ø9	20 44 9.8	-10 43 25	HRS	ACCUM	2.0	G27ØM	2842	ī	120	117Ø	ī		ī
MRK5Ø9		-10 43 25	HRS	ACCUM	2.0	G27ØM	2882	ī	120	1170	ī		î
AU-MIC		-31 20 27	HRS	RAPID	2.0	G16ØM	1360	ī	1800	1158	ø		7
AU-MIC	20 45 9.4	-31 20 27	HRS	ACCUM	2.0	G2ØØM	1900	1	1055	1176	ĭ		i
AU-MIC		-31 20 27	HRS	ACCUM	2.0	G14ØL	1304	1	600	1178	ĩ		ī
AU-MIC	20 45 9.4		HRS	ACCUM	2.0	G14ØL	1574	1	600	1176	1		1
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/VIS	SINGLE	1.0	F551W		1	6Ø	1102	ĩ		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POLØ	F216M		1	6Ø	1102	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POLØ	F327M		1	6Ø	11Ø2	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POL45	F216M		1	6Ø	1102	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POL45	F327M		1	60	1102	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POL9Ø	F216M		1	6Ø	1102	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	POL9Ø	F327M		1	6Ø	1102	1		11
HD19914Ø	20 54 22.8	28 3Ø 48	HSP/POL	SINGLE	P0L135	F216M		1	6Ø	1102	1		11
HD19914Ø	20 54 22.8	28 30 48	HSP/POL	SINGLE	POL135	F327M		1	6Ø	1102	_		11
AC1Ø3-132	20 56 43.4	-64 40 14	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2		1
AC103-113	20 56 47.3	-64 40 56	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2		1
AC103-318/134	20 56 52.0		FOC/48	IMAGE	512X512	F175W		1	400	1249	2		1
AC103-318/134	20 58 52.0	-64 39 3	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
AC103-318/134	20 56 52.6	7 -64 39 3	F0C/48	IMAGE	512X512	F275W		1	300	1249	2	1
AC103-318/134	20 56 52.9	7 -64 39 3	F0C/48	IMAGE	512X512	F43ØW		ī	100	1249	2	ī
AC103-318/134	20 56 52.9	<b>7 -64 39 3</b>	F0C/48	IMAGE	512X512	F342W		1	23Ø	1249	2	ī
NGC8995	20 56 54.9	9 31 7 37	WFC	IMAGE	ALL	F569W		1	300	1138	Ø	ī
NGC6995	20 56 54.9	9 31 7 37	WFC	IMAGE	ALL	F375N		1	2300	1138	Ø	1
NGC8995	20 56 54.9	9 31 7 37	WFC	IMAGE	ALL	F5Ø2N		1	23ØØ	1138	Ø	1
NGC6995	20 56 54.9	9 31 7 37	WFC	IMAGE	ALL	F631N		1	2300	1138	Ø	1
NGC6995	20 56 54.9	9 31 7 37	WFC	IMAGE	ALL	F656N		1	2300	1138	Ø	1
AC1Ø3-341	20 56 55.5	2 -84 40 11	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-29	20 56 59.	7 -64 39 52	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC1Ø3-2/17		9 -64 40 24	F0C/48	IMAGE	512X512	F175W		1	400	1249	2	1
AC103-2/17		9 -64 40 24	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-2/17		9 -64 40 24	F0C/48	IMAGE	512X512	F275W		1	300	1249	2	1
AC103-2/17		9 -64 40 24	F0C/48	IMAGE	512X512	F43ØW		1	100	1249	2	1
AC103-2/17		9 -64 40 24	F0C/48	IMAGE	512X512	F342W		1	23Ø	1249	2	1
AC103-4		1 -64 39 45	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-145		5 -64 40 11	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-265		3 -64 39 44	F0C/48	IMAGE	512X512	F175W		1	400	1249	2	1
AC103-265		3 -64 39 44	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-265		3 -64 39 44	F0C/48	IMAGE	512X512	F275W		1	300	1249	2	1
AC103-265	20 57 5.3		F0C/48	IMAGE	512X512	F43ØW		1	100	1249	2	1
AC103-265		3 -64 39 44	F0C/48	IMAGE	512X512	F342W		1	230	1249	2	1
AC103-11 AC103-334		1 -64 38 29	FOC/48 FOC/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-334 AC103-334		4 -64 39 48 4 -64 39 48	F0C/48	IMAGE IMAGE	512X512 512X512	F175W F22ØW		1	400 1000	1249 1249	2 2	1
AC103-334 AC103-334		4 -64 39 48	F0C/48	IMAGE	512X512 512X512	F275W		1	300	1249	2	1 1
AC103-334		4 -64 39 48	F0C/48	IMAGE	512X512 512X512	F43ØW		i	100	1249	2	1
AC103-334	20 57 11.		F0C/48	IMAGE	512X512	F342W		î	230	1249	2	i
AC103-106	20 57 17.5		F0C/48	IMAGE	512X512	F22ØW		i	1000	1249	2	ī
AC103-430		8 -64 39 41	F0C/48	IMAGE	512X512	F22ØW		ī	1000	1249	2	ī
AC103-36/39		9 -64 38 25	F0C/48	IMAGE	512X512	F22ØW		ī	1000	1249	2	ī
AC103-101		<b>8 -64 38 48</b>	F0C/48	IMAGE	512X512	F22ØW		ī	1000	1249	2	ĩ
AC103-280	20 57 18.	8 -64 38 19	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-13	20 57 20.	5 -64 42 26	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC1Ø3-88	20 57 26.	2 -64 42 11	F0C/48	IMAGE	512X512	F175W		1	400	1249	2	1
AC1Ø3-88	20 57 26.	2 -64 42 11	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1.
AC1Ø3-88	20 57 26.5	2 -64 42 11	F0C/48	IMAGE	512X512	F275W		1	300	1249	2	1
AC1Ø3-88		2 -64 42 11	F0C/48	IMAGE	512X512	F43ØW		1	100	1249	2	1
AC103-88		2 -64 42 11	F0C/48	IMAGE	512X512	F342W		1	23Ø	1249	2	1
AC1Ø3-68		4 -64 38 17	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-3		7 -64 37 19	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-144		8 -64 39 17	F0C/48	IMAGE	512X512	F175W		1	400	1249	2	1
AC103-144		8 -64 39 17	F0C/48	IMAGE	512X512	F22ØW		1	1000	1249	2	1
AC103-144		8 -64 39 17	F0C/48	IMAGE	512X512	F275W		1	300	1249	2	1
AC103-144		8 -84 39 17	F0C/48	IMAGE	512X512	F43ØW		1	100	1249	2	1
AC103-144		B -64 39 17	F0C/48	IMAGE	512X512	F342W		1	230	1249	2	1
HD200120	20 59 49.1		HRS	WSCAN	Ø.25	ECH-A	1240	1	62	1071	3	1
HD200120	20 59 49.		HRS	WSCAN	Ø.25	ECH-A	1334	1	62	1071	3	1
HD200120	20 59 49.1		HRS HRS	WSCAN	Ø.25	ECH-A	1356	1	108	1071	3	1
HD200120 HD200120	20 59 49.			WSCAN	Ø.25	ECH-A	1392	1	125	1071	3	1
	20 59 49.		HRS	WSCAN	Ø.25	ECH-A	1558	1	1Ø8	1071	3	1
HD200120	20 59 49.	5 47 31 15	HRS	WSCAN	Ø.25	ECH-A	1252	1	51	1071	3	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD2ØØ12Ø	20 59 49.5	47 31 15	HRS	WSCAN	Ø.25	ECH-A	153Ø	1	113	1071	3		1
HD2ØØ12Ø	20 59 49.5	47 31 15	HRS	WSCAN	Ø.25	ECH-B	237Ø	ī	28	1071	3		ī
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-A	13Ø3	ī	45	1071	3		i
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-A	1191	ī	34	1071	3		î
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-B	2024	ī	34	1071	3		i
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-A	1547	ī	131	1071	3		1
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-B	1805	ī	51	1071	3		ī
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-B	1826	ī	56	1071	3		ī
HD2ØØ12Ø	20 59 49.5		HRS	WSCAN	Ø.25	ECH-B	26Ø2	ī	45	1071	3		î
NGC7Ø27	21 7 Ø.2	42 14 18	WFC	IMAGE	ALL	F336W		ī	8ø	1108	ø		i
NGC7Ø27	21 7 Ø.2		WFC	IMAGE	ALL	F439W		ī	6ø	1108	ø		i
NGC7Ø27	21 7 Ø.2		WFC	IMAGE	ALL	F622W		ī	3ø	1108	ø		ī
NGC7Ø27	21 7 Ø.2		WFC	IMAGE	ALL	F656N			2100	1107	3		ī
NGC7Ø27	21 7 Ø.2		WFC	IMAGE	ALL	F157W		1	18Ø	1108	ø		ī
NGC7Ø27	21 7 Ø.2		WFC	IMAGE	ALL	F284W		1	120	11Ø8	ø		î
NGC7Ø27	21 7 1.7	42 14 9	F0C/96	IMAGE	256X256	F13ØM		ī	48Ø	1254	ĩ		ī
NGC7Ø27	21 7 1.7		F0C/96	IMAGE	256X256	F21ØM		1	48Ø	1254	1		ī
NGC7Ø27	21 7 1.7		F0C/96	IMAGE	256X256	F278M		1	48Ø	1254	ī		ī
NGC7Ø27-STAR	21 7 1.8			ACCUM	1.Ø-PAIR-B	G4ØØH	4013	1	2000	1212	ī		ī
NGC7Ø27-OFFSET	21 7 2.7		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1212	1	ACQ	1
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	occ	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		ĩ
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	OCC .	512X1024-F0.4	F342W POLØ		1	300	1275	2		1
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	OCC	512X1Ø24-FØ.4			. 1	300	1275	2		1
HD2Ø1184	21 8 33.5	-21 11 37	F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD2Ø1184	21 8 33.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD2Ø1184	21 8 33.5		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
V15ØØCYG	21 11 36.6	48 9 2	F0C/98	IMAGE	512X512	F486N			1200	1253	2		1
V15ØØCYG	21 11 36.6		F0C/98	IMAGE	512X512	F5Ø1N			1200	1253	2		1
HD2Ø1891	21 11 59.2		HRS	ACCUM	Ø.25	G27ØM	2497		1620	1064	Ø		1
PG2112+Ø59	21 14 52.6		WFC	IMAGE	ALL	F7Ø2W			2500	1015	2		1
PG2112+Ø59	21 14 52.6	6 7 42	FOS/RD	ACQ/BINA		MIRROR		1	11	1025	1		1
PG2112+Ø59	21 14 52.6	6 7 42	FOS/RD	ACQ/BINA		MIRROR	0750	1	11	1025	2	ACQ	1
PG2112+Ø59	21 14 52.6	6 7 42	FOS/RD	ACCUM	1.0	G27ØH G19ØH	2753	1	600	1025	2		1
PG2112+Ø59	21 14 52.6	6 7 42	FOS/RD	ACCUM		G65ØL	198ø		1200	1025	2	240	1
SKY-BG17	21 14 52.6			ACCUM	1.0	ECH-A	6232		25ØØ	1015	1	PAR	1
HD2Ø29Ø4 HD2Ø29Ø4	21 17 55.0		HRS HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A	124Ø 1252	1 1	69 56	1071 1071	3		1
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	153Ø	i	125	1071	3		1
HD202904	21 17 55.Ø 21 17 55.Ø		HRS	WSCAN	Ø.25	ECH-B	237Ø	i	31	1071	3 3		1 1
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1303	i	5Ø	1071	3		1
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1334	i	69	1071	3		1
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1356	i	119	1071	3		1
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1392	i	138	1071	3		1
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1558	i	119	1071	3		i
HD202904	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1191	i	37	1071	3		ī
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-A	1547	ī	144	1071	3		î
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-B	18Ø5	ī	56	1071	3		î
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-B	1826	ī	62	1071	3		ī
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-B	2024	ĩ	37	1071	3		ī
HD2Ø29Ø4	21 17 55.0		HRS	WSCAN	Ø.25	ECH-B	2602	1	5ø	1071	3		ī
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Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
HD2Ø328Ø	21 18 34.7	62 35 8	F0C/288	осс	512X1Ø24-FØ.4	E342W POLØ		1	3ØØ	1275	2			1
HD2Ø328Ø	21 18 34.7		F0C/288	occ	512X1024-F0.4			i	100	1275	2			i
HD203280	21 18 34.7		F0C/288	OCC	512X1024-FØ.4			i	300	1275	2			i
HD203280	21 18 34.7		F0C/288	DCC	and the second s			1	100		2			-
HD203280	21 18 34.7		F0C/288		512X1024-F0.4			_		1275				1
HD203280	21 18 34.7			000	512X1Ø24-FØ.4			1	300	1275	2			1
	21 18 34.7		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD2Ø328Ø			F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2			1
HD2Ø328Ø	21 18 34.7		F0C/288	OCC	512X1Ø24-FØ.4			1	3ØØ	1275	2			1
NGC7Ø49		-48 34 39	F0C/96	IMAGE	512X512	F32ØW		1	6ØØ	1057	3			1
NGC7Ø49	21 18 59.6		F0C/96	IMAGE	512X512	F5Ø2M		1	3ØØ	1Ø57	3			1
NGC7Ø49		-48 34 39	F0C/288	IMAGE	512X512	F32ØW		1	600	1Ø57	3	CON		1
NGC7Ø49		-48 34 39	F0C/48	SPEC	256X1Ø24-SLIT		4500		000	1Ø57	3	CON		1
NGC7Ø49		-48 34 39	F0C/48	IMAGE	128X128-ASLIT	F43ØW	392Ø		100	1Ø57	3	ACQ	CON	1
FS1081-1	21 20 34.4	-16 32 10	HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1 10	Ø8Ø	1Ø81	1			1
FS1Ø82-1	21 20 34.4	-16 32 10	WFC	IMAGE	ALL	F569W		1	Ø	1082	1	ACQ		2
FS1Ø82-1	21 20 34.4	-16 32 10	HSP/PMT/V IS	SPLIT	1.0	F750W/F320N		1 1	500	1Ø82	1	•		2
FS1Ø83-1	21 20 34.4	-16 32 10	WFC:	IMAGE	ALL	F569W		1	Ø	1Ø83	1	ACQ		3
FS1Ø83-1		-16 32 10	HSP/PMT/V IS	SPLIT	1.0	F750W/F320N			500	1Ø83	1	•		2
K648	21 27 34.4	11 57 14	HRS	ACCUM	2.0	G14ØL	134Ø	1	3ØØ	1212	3			1
K648	21 27 34.4		HRS	ACCUM	2.0	G14ØL	1600	1	300	1212	3			ī
HD2Ø5Ø21	21 28 39.7		HSP/VIS	PRISM	1.0	F551W/F24ØW			000	1102	ĭ			ī
2126-159		-15 38 41	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	ø			ī
PKS2126-158		-15 38 41	FOS/RD	ACCUM	Ø.5	PRISM	3500	î	5ø	1027	2			2
PKS2126-158		-15 38 41	FOS/RD	ACCUM	Ø.5	PRISM	3500		.8ØØ	1027	2			ī
PKS2126-158		-15 38 41	FOS/BL	ACCUM	Ø.5	G16ØL	1650	i	5Ø	1027	2			2
PKS2126-158		-15 38 41	FOS/BL	ACCUM	Ø.5	G160L	1650	_	000	1027	2			1
PKS2126-158		-15 38 41	FOS/BL	ACQ/BINA	_	MIRROR	1000	1	11	1027	2	ACQ		1
PKS2126-158	21 29 12.1		FOS/RD	ACQ/BINA		MIRROR		-	11	1027	2	ACQ		i
NGC7Ø78	21 29 58.1		PC	IMAGE	ALL		4205	1	500			•		
NGC7978	21 29 58.1		PC	IMAGE	ALL	F439W	4385	1		1053	2	ACQ		1
NGC7078	21 29 58.1		PC			F284W	2841	1	500	1053	2	ACQ		1
				IMAGE	ALL	F336W	3363	1	500	1053	2	ACQ		1
NGC7078	21 29 58.1		PC	IMAGE	ALL	F656N	6599	1	5ØØ	1053	2	ACQ		1
NGC7Ø78-OFFSET	21 29 58.1		FOS/RD	ACQ/BINA		MIRROR		1	1	1053	2	ACQ	CUN	1
NGC7Ø78-STAR	21 29 58.1		FOS/RD	ACCUM	Ø.3	PRISM		1	500	1053	2	CON		1
NGC7Ø78-STAR	21 29 58.1		FOS/RD	ACCUM	Ø.3	PRISM			000	1053	2	CON		1
NGC7Ø78-STAR	21 29 58.1		FOS/RD	ACCUM	Ø.3	G57ØH			500	1053	2	CON		1
M15	21 29 58.3		PC	IMAGE	P6	F336W		1	2Ø	1112	Ø			1
M15	21 29 58.3		PC	IMAGE	P6	F336W		1	100	1112	Ø			1
M15	21 29 58.3		PC	IMAGE	P6	F336W		1	8ØØ	1112	Ø			1
NGC7Ø78	21 29 58.4		PC.	IMAGE	ALL	F555W		1	23	1019	Ø			1
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F785LP		1	23	1019	Ø			1
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F555W	5479	1	26	1007	Ø			3
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F791W	8537	1	26	1007	Ø			2
NGC7Ø78	21 29 58.4	12 10 0	PC	IMAGE	ALL	F555W	5479	1	26	1007	1			3
NGC7Ø78	21 29 58.4	12 10 Ø	PC	IMAGE	ALL	F791W	8537	1	26	1007	1			2
NGC7Ø78	21 29 58.4	12 10 0	PC	IMAGE	ALL	F555W	5479	ī	26	2945	ø			3
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F791W	8537	ī	26	2945	ø			2
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F555W	5479	i	26	2947	ĭ			3
NGC7Ø78	21 29 58.4		PC	IMAGE	ALL	F791W	8537	i	26	2947	ī			2
			. •				5557	•	20	2071	-			_

Target	RA (2000)		st. Operat nfig. Mode	_	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID	_	Spec. Req.	Tot: Line	
NGC7Ø78	21 29 58.4	12 1Ø 1 FO	C/96 IMAG	3E	512X512	F342W		1	1500	128Ø	1			1
NGC7Ø78	21 29 58.4		C/288 IMAG	Œ	512X1Ø24	F175W		1	1200	1280	1			ī
NGC7Ø78	21 29 58.4	12 10 1 FO	C/98 IMAC	3E	512X512	F2ND F342W		1	3ØØ	128Ø	1			1
NGC7Ø78-OUTER	21 29 58.4			Œ	ALL	F785LP		1	1620	128Ø	1	PAR		1
NGC7Ø78-OUTER	21 29 58.4		C IMAC	3E	ALL	F555W		1	1Ø19	1280	1	PAR		1
NGC7Ø78	21 29 58.4		IMAC	Œ	ALL	F547M		1	100	1052	Ø	ACQ	CON	1
NGC7Ø78	21 29 58.4		IMAC	3E	ALL	F23ØW		1	25Ø	1052	Ø		CON	ī
NGC7Ø78	21 29 58.4				ALL	F336W		1	130	1052	ø		CON	1
NGC7Ø78-OFFSET-STAR	21 29 58.4		S/BL ACQ	/BINA	4.3	MIRROR		1	5	1052	2		CON	1
NGC7Ø78-STAR1	21 29 58.4				4.3	PRISM		1	400	1052	2	CON	••••	1
NGC7Ø78-STAR1	21 29 58.4				Ø.3	G16ØL		1	1300	1052	2	CON		ī
NGC7Ø78-STAR2	21 29 58.4				4.3	PRISM		1	400	1052	2	CON		1
NGC7Ø78-STAR2	21 29 58.4				Ø.3	G16ØL		1	1300	1052	2	CON		1
K648	21 29 59.4				ALL	F5Ø2N		ī	150	1046	ø	ACQ		1
K648	21 29 59.4				ALL	F664N		ī	150	1046	ø	ACQ		ī
K648	21 29 59.4		S/BL ACCL		1.0	G13ØH		ī	325	1046	ī			1
K648	21 29 59.4		S/BL ACCL		1.0	G19ØH		ī	325	1046	ī			ī
K648	21 29 59.4		S/BL ACCL		1.0	G27ØH		1	325	1046	ī		•	ī
K648-OFFSET-STAR	21 29 59.4			BINA		MIRROR		ī	1	1046	ī	ACQ		ī
W922	21 31 18.5				ANY	F583W		ī	1000	1003	ø	,,,,,		2
W922	21 31 18.5	_			ANY	F583W		ī	1000	1003	ĩ			ī
V1727-CYG	21 31 26.2	- /	S/BL ACCL		Ø.3	G13ØH			1000	1051	2			ī
V1727-CYG	21 31 26.2		S/BL ACCL		Ø.3	G19ØH		ī	1000	1051	2			ī
V1727-CYG	21 31 26.2		S/BL ACCL		Ø.3	G27ØH		ī	1000	1051	2			ī
V1727-CYG	21 31 26.2		S/BL ACCL		Ø.3	G13ØH		ī	1500	1051	2			ī
V1727-CYG	21 31 26.2		S/BL ACCL		Ø.3	G19ØH		ī	1500	1051	2			ī
V1727-CYG	21 31 26.2	-	S/BL ACCL		Ø.3	G27ØH		ī	1500	1051	2			ī
V1727-CYG	21 31 26.2			BINA	_	MIRROR		ī	8	1051	2	ACQ		ī
2128-123INCA221-139	21 31 35.3				2	F583W		ī	51	1571	3	nou		3
2128-123INCA221-139	21 31 35.3				2	F583W		ī	51	1571	4			3
2128-123	21 31 35.3		C/288 IMAG	3E	512X512	F342W		ī	300	1236	2			ĭ
P0INT2128-123INCA221				NTING		14.4.		ī	Ø	1571	3			ī
-139								_	. •		•			-
POINT2128-123INCA221	21 31 48.3	-11 55 3 S/	C POIN	NTING	V1			1	Ø	1571	4			1
-139								_			•			-
INCA221-139	21 32 18.5	-12 4 17 FG	S POS		2	F583W		1	51	1571	3			2
INCA221-139	21 32 18.5				2	F583W		ī	51	1571	4			2
Q\$0213Ø+Ø99-0FFSET	21 32 27.3			JM	2.0	G14ØL	1288	ī	3600	1194	2			ī
II-ZW136	21 32 27.8				ALL	F725LP		1	4	1116	3			ī
II-ZW136	21 32 27.8		==::::		ALL	F725LP		ī	17ØØ	1116	3			ī
II-ZW136	21 32 27.8				ALL	F725LP		ī	212	1116	3			ī
QS0213Ø+Ø99-NUCLEUS	21 32 27.9				ALL-ND	F547M		ī	1200	1194	ĭ	ACQ		ī
QSQ2130+099-NUCLEUS	21 32 27.9				2.0	G14ØL	1500	ī	600	1194	2	ncq		ī
QS02130+039-NUCLEUS	21 32 27.9				2.0	MIRROR-N2	1000	i	192	1194	ø			ī
QS0213Ø+Ø99-NUCLEUS	21 32 27.9				2.0	MIRROR-N2		2	256	1194	ø			ī
QS02130+033-NOCLEUS	21 32 27.9				2.0	G14ØL	1220	ī	600	1194				ī
NGC7Ø89	21 32 27.3				ALL	F555W		1	23	1019				ī
NGC7009	21 33 29.3				ALL	F785LP		1	23 23	1019	2			i
INCA221-171	21 35 29.3	Ø 4Ø 38 FG			2	F583W		1	51	1571				2
INCA221-171 INCA221-171	21 35 56.3				2	F583W		1	51 51	1571	3			2
HD205730	21 36 56.3			IM	ø.25	ECH-B2Ø	2799	1	336	1196				1
POINT2134+004INCA221				TING		ECH-DED	2133	1	330 Ø	1571				1
-171	. 21 30 13.4	# BI ZO 3/	. 1011	4 1 7140	7.4			*	Ð	10/1	4			
-111														

POINTING VI	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
2134-964   NCA221-171   21 36 38.7   8 41 54   FGS   POS   2   F563W   1 51 1671   2   3   3   3   3   3   7   8 4 1 54   FGS   POS   2   F563W   1 51 1671   3   3   3   3   3   3   3   7   8 4 1 54   FGS   POS   2   F563W   1 51 1671   3   3   3   3   3   3   7   8 4 1 54   FGS   POS   2   F563W   1 51 1671   3   3   3   3   3   3   7   8 4 1 54   FGS   POS   2   F563W   1 51 1671   3   3   3   3   3   3   3   7   8 4 1 54   FGS   POS   2   F563W   1 50 1671   3   3   3   3   3   3   3   3   3		21 36 13.4	Ø 51 26	S/C	POINTING	V1			1	Ø	1571	3			1
2134-0941NCA221-171 21 38 38.7 6 41 54 FGS POS 2 F563W 1 1 651 1671 3 7 8 9 18 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18		21 36 38.7	Ø 41 54	FGS	POS	2	F583W		1	51	1571	2			3
PKS2138-147   21 37 45.2 - 14 32 56   PC	2134+004INCA221-171	21 36 38.7	Ø 41 54	FGS	POS	2	F583W		ĩ	51					
PKS2138-147   21 37 45.2 - 14 32 56   PC   IMAGE   ALL   F728LP   1 768   1632 2   ACQ   1   PKS2138-147   21 37 45.2 - 14 32 56   F157RD   ACCUM   6.5   G656L   1 286   1632 2   CON SEL   1   PKS2138-147   21 37 45.2 - 14 32 56   F157RD   ACCUM   6.5   G656L   1 286   1632 2   CON SEL   1   PKS2138-147   21 37 45.2 - 14 32 56   F157RD   ACCUM   6.5   T157RD   ACCUM   6.5   T157RD   ACCUM   6.5   PKS2138-147   21 37 45.2 - 14 32 56   F157RD   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM   6.7   ACCUM	PKS2135-147	21 37 45.2	-14 32 56	PC	IMAGE	ALL	F128LP		1				ACQ		
PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACCUM   8.5   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACCUM   8.5   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.5   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM   8.7   PKS2135-147   21 37 45.2 -14 32 58 FOS/RD   ACGUM	PKS2135-147	21 37 45.2	-14 32 56	PC	IMAGE	ALL	F725LP		1	7Ø8		_			
PKS2135-147   21 37 45.2 -14 32 56 FOS/RD   ACCUM   6.5   PRTISM   1 266   1632 2 CON SEL   1 PKS2135-147   21 37 45.2 -14 32 56 FOS/RD   ACCUM   6.7 × 2.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.6 × 3.	PKS2135-147			FOS/RD	ACCUM	Ø.5	G65ØL		1			_		SEL	
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PKS2135-147	PKS2135-147	21 37 45.2	-14 32 56	FOS/RD	ACQ/BINA	4.3	MIRROR		1	2	1Ø32				
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PKS2135-147	PKS2135-147	21 37 45.2	-14 32 56	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		1	2553	1032				
SKY2	PKS2135-147	21 37 45.2	-14 32 56	FOS/RD	ACQ/PEAK	Ø.7X2.Ø-BAR	MIRROR		1	10	1032	2			
PKS2135-147  21 37 45.2 -14 32 55 WFC  IMAGE ALL  F725LP  1 1760 1116 2  1 PKS2135-147  21 37 45.2 -14 32 55 WFC  IMAGE ALL  F725LP  1 1760 1116 2  1 PKS2135-147  21 37 45.2 -14 32 55 WFC  IMAGE ALL  F725LP  1 1760 1116 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/96  IMAGE S12X512  F152W  1 1860 1233 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/96  IMAGE S12X512  F751BP  1 1860 1233 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/96  IMAGE S12X512  F751BP  1 1860 1233 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/96  IMAGE S12X512  F751BP  1 1860 1233 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1233 2  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1238 2  CON  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1228 2  CON  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1228 2  CON  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1228 2  CON  1 PKS2135-147  21 37 45.2 -14 32 56 FOC/98  IMAGE S12X512  F751BP  1 1860 1228 2  CON  1 PKS2135-147  1 1860 1228 2  CON	SKY2	21 37 45.2	-14 32 56*	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	7Ø8	1032				
PKS2135-147	PKS2135-147	21 37 45.2	-14 32 55	WFC	IMAGE	ALL	F725LP		1	10	1116	2			
PKS2135-147	PKS2135-147	21 37 45.2	-14 32 55	WFC	IMAGE	ALL	F725LP		1	1700	1116	2			1
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	HD2Ø7857	21 51 5.0		HRS	ACCUM	Ø.25	ECH-B	1942	ī	435	1182	_			ī

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Target	RA (	2ØØ	Ø)	Dec	(201	9Ø)	Inst. Config.	Operatio Mode	ng	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Cy.	Spec. Req.		tai nes
HD2Ø7857	21	51	5.Ø	39	32	12	HRS	ACCUM		Ø.25	ECH-A	1362	1	83Ø	1182	2			1
HD2Ø7978	21	52	29.9	28	47	36	HRS	ACCUM		Ø.25	G27ØM	2497	2	420	1064	3	CON	SFI	ī
GAL-CLUS-215519+0334				3	47		WFC	IMAGE		ALL	F622W		3	2300	1115				ī
12		-		_	•	•				7124	102211		•			•			•
GAL-CLUS-215519+0334	21	57	56.Ø	3	47	54	WFC	IMAGE		ALL	F785LP		3	2300	1115	3			1
PKS2155-3Ø4	21	58	51.6	-30	13	32	HSP/POL	STAR-S	SKY	POLØ	F277M		1	66	1Ø99	3			10
PKS2155-3Ø4			51.6				HSP/POL			POL45	F277M		ī	66	1099	3			10
PKS2155-3Ø4			51.6				HSP/POL			POL9Ø	F277M		ī	66	1099	3			10
PKS2155-3Ø4			51.6				HSP/UV2			Ø.4-C	F14ØLP		ī	6Ø	1099	3			10
PKS2155-3Ø4			51.6				HSP/POL			P0L135	F277M		ī	66	1099	3			10
PKS2155-3Ø4			51.9				HRS	ACCUM	J	2.0	G14ØL	1300	ī	300	1165	2			1
PKS2155-3Ø4			51.9			-	HRS	ACCUM		2.0	G14ØL	1600	ī	300	1165	2			î
PKS2155-3Ø4			51.9				HRS	ACCUM		2.0	G27ØM	2590	3	300	1165	2			1
PKS2155-3Ø4			51.9				HRS	ACCUM		2.0			5	360	1165	2			1
PKS2155-304			51.9				HRS	ACCUM			G16ØM	1350	5						_
PKS2155-304			52.0						PRIA	2.0	G16ØM	1540		36Ø 2	1165	2	4.00		1
PKS2155-304			52.Ø				FOS/BL FOS/RD	ACQ/B			MIRROR		1	_	1029	1	ACQ		1
PKS2155-304			52.Ø				FOS/BL	ACQ/B	FINA		MIRROR	1700	1	11	1Ø29 1Ø29	1	ACQ		- 1
PKS2155-304			52.Ø					ACCUM		Ø.5	G16ØL	1725	1	1440		1			2
PKS2155-304			52.0				FOS/BL	ACCUM		Ø.5	PRISM	3675	1	1440	1029	1			1
PKS2155-304			52.Ø				FOS/BL	ACCUM	- 4 1/	Ø.5	G13ØH	1379	1	1500	1029	1	1.00		1
				-			FOS/RD		LAK	Ø.7X2.Ø-BAR	MIRROR	2227	1	1	1029	1	ACQ		1
PKS2155-304			52.0				FOS/RD	ACCUM		Ø.7X2.Ø-BAR	G65ØL	6337	1	1500	1029	1	2011		1
PKS2155-304			52.Ø				HRS	ACCUM		Ø.25	G14ØM	1240	1	228Ø	1172	2	CON		1
PKS2155-3Ø4			52.Ø				HRS	ACCUM		Ø.25	G16ØM	1400	1	228Ø	1172	2	CON		1
PK\$2155-3Ø4			52.Ø				HRS	ACCUM		Ø.25	G16ØM	1550	1	228Ø	1172	2	CON	SEL	1
PKS2155-3Ø4			52.Ø				HRS	ACCUM		Ø.25	G14ØL	1315	1	2100	1172				1
PKS2155-3Ø4			52.0				HRS	ACCUM		Ø.25	G14ØL	1585	1	2100	1172	Ø			1
PKS2155-3Ø4			52.Ø				HRS	ACCUM		Ø.25	G14ØM	1216	1	228Ø	1172	2	CON		1
PKS2155-304			52.Ø				HRS	ACCUM		Ø.25	G18ØM	1657	1	228Ø	1172	2	CON	SEL	1
PK\$2158-38Ø	22		17.Ø				F0C/96	IMAGE		512X512	F13ØM		1	800	1228	2			1
PK\$2158-38Ø	22		17.0				F0C/96	IMAGE		512X512	F32ØW		1	300	1228	2			1
PKS2158-38Ø	22		17.Ø				F0C/48	IMAGE		512X512	F18ØLP		1	600	1228	2	CON		1
PKS2158-38Ø	22		17.Ø				F0C/48	SPEC		256X1Ø24-SLIT	GRAI-PRISM		1	1200	1228	2	CON		1
POINT2200+420INCA221 -143		1	38.9	42	17	4	s/c	POINT:					1	Ø	1571	2			1
POINT2200+420INCA221 -143	22	1	38.9	42	17	4	s/c	POINT:	[NG	V1			1	Ø	1571	3			1
POINT2200+420INCA221 -174	22	1	55.9	42	27	2	s/c	POINT:	ENG	V1			1	Ø	1571	2			1
POINT2200+420INCA221 -174	22	1	55.9	42	27	2	S/C	POINT	ENG	V1	·	•	1	Ø	1571	3			1
INCA221-172	22	2	5.7	42	22	46	FGS	POS		2	F55ØW		1	51	1571	2			2
INCA221-172	22	2	5.7	42	22	46	FGS	POS		2	F55ØW		1	51	1571	3			2
INCA221-172	22	2	5.7	42	22	46	PC	IMAGE		P8	F658N		1	Ø	1139	2	CON		2
POINT22Ø1+315INCA221			18.Ø		46		S/C	POINT	ENG				ī	ø	1571	2			ī
-173		_					· • ·			- T.			-	-		_			-
POINT22Ø1+315INCA221 -173	22	2	18.Ø	31	46	15	s/c	POINT	ENG	V1			1	Ø	1571	3			1
INCA221-143	22	2	25.5	42	25	29	FGS	POS		2	F5ND		1	51	1571	2			2
INCA221-143	22		25.5		25		FGS	POS		2	F5ND		ī	51	1571	3			2
INCA221-143	22		25.5	42			PC	IMAGE		P8	F658N		ī	ī	1139		CON		2
		_											-	-		_			_

F	i	xed	Ta	rge	ets

Target	RA (	2000)	Dec (2006		Inst. C	perating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec. Req.	Total Lines
		,		,				_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				10	٠,٠	wed.	L 1 1103
BL-LAC	22	2 43.3	A2 18		FOS/BL	ACCUM	Ø.5	C1 6 Ø	1705		1 4 4 67	1.000	~		_
and the second s	22	2 43.3	42 16		•			G16ØL	1725		1440	1029	Ø		1
BL-LAC			42 16		FOS/BL	ACCUM	Ø.5	PRISM	3675		1440	1029	Ø		1
BL-LAC	22	2 43.3	42 18 4		FOS/BL	ACCUM	Ø.5	G13ØH	1379		1500	1029	Ø		1
BL-LAC	22	2 43.3	42 16 4		FOS/RD	**	Ø.7X2.Ø-BAR	MIRROR		1	1	1029	Ø	ACQ	1
BL-LAC	22	2 43.3			FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6337	1	1500	1029	Ø		1
BL-LAC-FIELD	22	2 43.3			WFC	IMAGE	ALL	F439W	4353	1	15	1029	Ø	ACQ	1
BL-LAC-OFFSET	22	2 43.3	42 16 4			ACQ/BINA		MIRROR		1	11	1029	Ø	ACQ	1
BL-LAC-OFFSET	22	2 43.3			FOS/RD	ACQ/BINA		MIRROR		1	11	1029	Ø	ACQ	1
2200+420INCA221-143	22	2 43.3			FGS	POS	2	F55ØW		1	51	1571	2		3
2200+420INCA221-143	22	2 43.3			FGS	POS	2	F55ØW		1	51	1571	3		3
2200+420INCA221-143	22	2 43.3	42 16 4		PC	IMAGE	P8	F6Ø6W		1	2	1139	2		2
2200+420INCA221-143	22	2 43.3			PC .	IMAGE	P8	F6Ø6W		1	2	1139	2	CON	2
2200+420INCA221-143	22	2 43.3	42 18	IØ F	PC	IMAGE	P8	F725LP		1	2	1139	2		2
2200+420INCA221-143	22	2 43.3	42 16 4	IØ F	PC	IMAGE	P8	F725LP		1	5	1139	2	CON	2
2200+420INCA221-172	22	2 43.3	42 16	IØ F	FGS	POS	2	F55ØW		1	51	1571	2		3
2200+420INCA221-172	22	2 43.3	42 16 4	lØ F	FGS	POS	2	F55ØW		1	51	1571	3		3
2200+420INCA221-172	22	2 43.3	42 16	lØ F	PC	IMAGE	P8	F6Ø6W		1	2	1139	2		2
2200+420INCA221-172	22	2 43.3	42 16	IØ F	PC ·	IMAGE	P8	F6Ø6W		1	2	1139	2	CON	2
2200+420INCA221-172	22	2 43.3	42 16	IØ F	PC	IMAGE	P8	F725LP		1	2	1139	2		2
2200+420INCA221-172	22	2 43.3	42 16	IØ F	PĊ	IMAGE	P8 .	F725LP		1	Ø	1139	2	CON	2
2200+420INCA221-174	22	2 43.3	42 16 4	IØ F	FGS	POS	2	F55ØW		1	51	1571	2	••••	3
2200+420INCA221-174	22	2 43.3	42 16 4	Ø F	FGS	POS	2	F55ØW		1	51	1571	3		3
BL-LAC	22	2 43.3	42 16	Ø V	WFC	IMAGE	ALL	F725LP			2000	1116	2		ĭ
BL-LAC	22	2 43.3	42 16 4	Ø Y	WFC	IMAGE	ALL	F725LP		1	25Ø	1116	2		ī
BL-LAC	22	2 43.3	42 16 4	Ø H	HSP/UV2	SINGLE	1.0	F14ØLP		1	6Ø	1099	ī		1Ø
BL-LAC	22	2 43.3	42 16		HSP/POL	SINGLE	POLØ	F277M		1	6ø	1099	ī		20
BL-LAC	22	2 43.3	42 16 4	IØ H	HSP/UV2	PEAKUP	10.0	F14ØLP		ī	6Ø	1099	ī	ACQ	10
BL-LAC	22	2 43.3	42 16		HSP/POL	SINGLE	POL45	F277M		ī	6Ø	1099	1	,,,,,	20
BL-LAC	22	2 43.3	42 16		HSP/POL	SINGLE	POL9Ø	F277M		1	60	1099	ī		2Ø
BL-LAC	22	2 43.3	42 18 4		HSP/POL	SINGLE	P0L135	F277M		ī	6Ø	1099	ī		20
BL-LAC	22	2 43.4	42 16 4		F0C/98	IMAGE	512X512	F165W		1	700	1227	2		1
BL-LAC	22	2 43.4	42 16 4	Ø F	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	ī	700	1227	2		ī
BL-LAC	22	2 43.4	42 16 4	lØ F	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM	,,,,,	1	600	1227	ø		ī
BL-LAC	22	2 43.4			FOC/48	SPEC	256X1Ø24-SLIT		445Ø	ī	600	1227	ø		ī
INCA221-143-AST2	22	2 54.0			FGS	POS	2	F55ØW		ī	1	1139	2	CON P	
INCA221-172-AST2	22	2 54.0	42 13	9 F	FGS	POS	2	F55ØW		ī	ø	1139	2	CON P	
P0INT2200+420INCA221		3 4.1	42 28		S/C	POINTING	V1			ī	ø	1571	2	00.1	1
-172					- •					_	•		-		-
POINT2200+420INCA221	22	3 4.1	42 28	2 5	S/C	POINTING	V1			1	Ø	1571	3		1
-172					•					_	_		•		-
INCA221-143-AST1	22	3 5.5	42 6	2 F	FGS	POS	2	F55ØW		1	2	1139	2	CON P	AR 2
INCA221-143-AST1	22	3 5.5	42 6	2 F	FGS	POS	2	F55ØW		ī	5	1139	2	CON P	
INCA221-172-AST1	22	3 5.5	42 6		FGS	POS	2	F55ØW		ī	ø	1139	2	CON P	
INCA221-172-AST1	22	3 5.5	42 6	2 F	FGS	POS	2	F55ØW		ī	2	1139	2	CON P	
INCA221-173	22	3 9.3	31 51 9	57 F	FGS	POS	2	F583W		ī	51	1571	2		2
INCA221-173	22	3 9.3			FGS	POS	2	F583W		ī	51	1571	3		2
INCA221-173	22	3 9.3	31 51		PC	IMAGE	P8	F658N		ī	2	1139	2	CON	2
INCA221-174	22	3 14.8	42 33		FGS	POS	2	F55ØW		i	51	1571	2	COIT	2
INCA221-174	22	3 14.8		-	FGS	POS	2	F55ØW		i	51	1571	3		2
B222Ø1+315	22	3 14.9			WFC	IMAGE	ĀLL	F725LP		_	2000	1116	2		1
B222Ø1+315	22	3 14.9			WFC	IMAGE	ALL	F725LP		i	250	1116	2		1
2201+315	22	3 15.Ø	31 45		PC	IMAGE	P8	F6Ø6W		i	5	1139	2		1
			<b></b> .		. •					•		1103	~		•

1 1 XOU TO GOOD												-	_
Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	Spec. Req.	Total Lines
0001.215	22 3 15.6	X 21 45 20	DC	T144.05	DO.	5705! B		,	14	1120			•
2201+315			PC	IMAGE	P8	F725LP		1	14	1139	2		1
22Ø1+315INCA221-173	22 3 15.6 22 3 15.6		FGS	POS	2	F583W		1	51 51	1571	2		3
2201+315INCA221-173 2201+315INCA221-173	22 3 15.4		FGS	POS	2	F583W		1	51 5	1571	2		3
2201+3151NCA221-173 2201+3151NCA221-173	22 3 15.4		PC PC	IMAGE	P8	F6Ø6W		1 1	5 5	1139 1139	2	CON	2
2201+315INCA221-173 2201+315INCA221-173	22 3 15.4		PC	IMAGE	P8	F6Ø6W		1	5 5	1139	2	CUN	2 2
22Ø1+315INCA221-173 22Ø1+315INCA221-173	22 3 15.4		PC	IMAGE	P8	F725LP		1	14	1139	2	CON	2
4C31.63	22 3 15.4		PC	IMAGE IMAGE	P8	F725LP F128LP		1	7Ø8	1032	2	ACQ	1
4C31.63	22 3 15.4		PC	IMAGE	ALL ALL	F725LP		ī	7Ø8	1032	2	ACQ	i
4C31.63	22 3 15.4		FOS/RD	ACCUM	Ø.5	G65ØL		î	28Ø	1032	2	CON S	
4C31.63	22 3 15.4		FOS/RD	ACCUM	Ø.5	PRISM		i	28Ø	1032	2	CONS	
4C31.63	22 3 15.4	· - ·	FOS/RD	ACQ/BINA		MIRROR		ī	2	1032	2	ACQ C	
4031.63	22 3 15.4	and the second s	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL			2553	1032	2	CON S	-
4C31.63	22 3 15.4		FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM			2553	1032	2	CON S	
4C31.63	22 3 15.4		FOS/RD		Ø.7X2.Ø-BAR	MIRROR		i	10	1032	2		ON 1
SKY4	22 3 15.0		•	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	î	7Ø8	1032	2	PAR	2
INCA221-173-AST1	22 3 32.0		FGS	POS	2	F55ØW	0000	i	5	1139	2	CON P	_
INCA221-173-AST1	22 3 32.0		FGS	POS	2	F55ØW		ī	14	1139	2	CON P	
HD2Ø91ØØ	22 3 34.1		F0C/96	occ	512X512-FØ.4	F37ØLP			1500	1274	2		1
INCA221-173-AST2	22 3 48.6	_	FGS	POS	2	F55ØW		ī	2	1139	2	CON P	_
HD2Ø9598	22 3 59.		HRS	ACCUM	Ø.25	ECH-B2Ø	2799	_	1065	1196	3	••••	··· ī
3C441	22 6 5.9		WFC	IMAGE	ALL	F555W		_	2700	1070	1		ī
3C441	22 6 5.9		WFC	IMAGE	ALL	F785LP			2700	1070	ī		ī
FS1Ø83-6		4 -13 10 26	WFC	IMAGE	ALL	F569W		ī	Ø	1Ø83	2	ACQ	2
FS1Ø83-6	22 6 54.4		HSP/PMT/V		1.0	F75ØW/F32ØN			1500	1Ø83	2	.,	2
			IS					_					_
HD21ØØ27	22 7 Ø.		HRS	ACCUM	Ø.25	ECH-B	2497		1500	1064	Ø		1
HD21ØØ27	22 7 Ø.	8 25 20 42	HRS	ACCUM	Ø.25	G27ØM	2497	2	21Ø	1064	Ø		1
2204-409	22 7 34.4		F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1
2204-409	22 7 34.4		F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	1		1
Q22Ø5-2Ø3		Ø <b>–2Ø</b> 6 23	F0C/96	IMAGE	512X512	F43ØW		_	1800	1234	1		1
Q2205-203	22 8 Ø.		F0C/96	IMAGE	512X512	F342W			1800	1234	3		. 1
HD2Ø9952	22 8 13.		HRS	ACCUM	Ø.25	ECH-B31	1810	1	22Ø	1201	1		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-A42	1332	1	22Ø	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	22Ø	12Ø1	1		1
HD2Ø9952	22 8 13.		HRS	ACCUM	Ø.25	ECH-B22	2589	1	220	1201	1		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-B22	26Ø3	1	220	1201	1		1
HD2Ø9952		B -46 57 40 T	HRS	ACCUM	Ø.25	ECH-B28	2027	1	220	1201	1		1
HD2Ø9952		3 -46 57 40	HRS	ACCUM	Ø.25	ECH-A36	1547	1	220	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-A36	1557	1	220	1201	Ø		1
HD2Ø9952		8 -48 57 40	HRS	ACCUM	Ø.25	ECH-A37	1529	1	220	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-A45	1240	1	220	1201	Ø		1
HD2Ø9952		3 -46 57 40	HRS	ACCUM	Ø.25	ECH-A45	1250	1	220	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-B24	2263	1	220	1201	1		1
HD2Ø9952		3 -48 57 40	HRS	ACCUM	Ø.25	G14ØM	1198	1	290	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-A34	1654	1	220	1201	Ø		1
HD2Ø9952		3 -46 57 40	HRS	ACCUM	Ø.25	ECH-A42	1326	1	220	1201	Ø		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-A43	1303	1	22Ø	1201	Ø		1
HD2Ø9952	_	3 -46 57 40	HRS	ACCUM	Ø.25	ECH-B2Ø	2854	1	220	1201	1		1
HD2Ø9952		8 -46 57 40	HRS	ACCUM	Ø.25	ECH-B22	2518	1	220	1201	1		1
HD2Ø9952		B -46 57 4Ø	HRS	ACCUM	Ø.25	ECH-B31	1818	1	220	1201	1	CAL	1
HD2Ø9952	22 8 13.8	B -46 57 4Ø	HRS	ACCUM	2.0	MIRROR-A1		1	16	1214	3	CAL	1

	F	i	xed	Tar	gets
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Tanad	D1 (0000) D (0000)		perating	A	Spectral	Central		Exp.			Spec.	Tota	
Target	RA (2000) Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Line	8
												2	
HD2Ø9952	22 8 13.8 -46 57 42	HRS	ACCUM	2.0	ECH-A	1335	1	15Ø	1214	3			1
HD2Ø9952	22 8 13.8 -46 57 40	HRS	ACCUM	2.0	ECH-A	13Ø2	1	15Ø	1214	3			1
HD2Ø9952	22 8 13.8 -46 57 40	HRS	ACCUM	2.0	ECH-A	1530	1	150	1214	3			1
HD21Ø334	22 8 40.9 45 44 33	HRS	ACCUM	2.0	G27ØM	2800	1	6Ø	12Ø8	1			8
HD21Ø334	22 8 40.9 45 44 33	HRS	ACCUM	2.0	G16ØM	1550	5	17Ø	1208	ī			8
QS022Ø6-199N	22 8 52.1 -19 44 1	F0C/96	IMAGE	512X512	F372M		-	800	1233	2			1
QS022Ø6-199N	22 8 52.1 -19 44 1	F0C/96	IMAGE	512X512	F437M			200	1233	2			ī
NGC7213	22 9 18.2 -47 9 43	PC .	IMAGE	ALL	F194W		1	900	1Ø38	2	ACQ		ī
NGC7213	22 9 18.2 -47 9 43	PC	IMAGE	ALL	F547M		ī	300	1038	2	ACQ		ī
NGC7213	22 9 18.2 -47 9 43	PC	IMAGE	ALL	F664N		3	900	1038	2	ACQ		ī
NGC7213	22 9 18.2 -47 9 43	FOS/BL	ACCUM	Ø.3	G13ØH		ĭ	600	1038	2	SEL		ī
NGC7213	22 9 18.2 -47 9 43		ACCUM	Ø.3	G19ØH		ī	300	1038	2	SEL		î
NGC7213	22 9 18.2 -47 9 43	,	ACCUM	Ø.3	G27ØH		ī	300	1038	2	SEL		î
NGC7213	22 9 18.2 -47 9 43	•	ACCUM	Ø.3	G4ØØH		i	300	1038	2	SEL		ī
NGC7213	22 9 18.2 -47 9 43	•	ACCUM	Ø.3	G57ØH		i	300	1Ø38	2	SEL		i
NGC7213	22 9 18.2 -47 9 43		ACQ/BINA		MIRROR		i	5	1038	2	ACQ S	CE1	i
NGC7213	22 9 18.2 -47 9 43	• .	ACQ/BINA		MIRROR		i	5	1038	2	ACQ		ī
NGC7213-CLOUD1	,	* FOS/BL	ACCUM	Ø.3	G13ØH		i	6ØØ	1038	2	SEL	JEL	i
NGC7213-CLOUD1		* FOS/BL	ACCUM	Ø.3	G19ØH		i	300	1038	2	SEL		i
NGC7213-CL0UD1		* FOS/RD	ACCUM	Ø.3	G27ØH		i	300	1038	2	SEL		i
NGC7213-CLOUD1		* FOS/RD	ACCUM	Ø.3	G4ØØH		i	300	1038	2	SEL		i
NGC7213-CLOUD1		* FOS/RD	ACCUM	Ø.3	G57ØH		i	300	1038	2	SEL		_
NGC7213-CLOUD2		* FOS/BL	ACCUM	Ø.3	G13ØH		i	6ØØ	1038	2	SEL		1
NGC7213-CL0UD2		* F0S/BL	ACCUM	Ø.3	G19ØH		1	300	1038	2	SEL		1
NGC7213-CLOUD2		* FOS/RD	ACCUM	Ø.3	G27ØH		i			2	SEL		1
NGC7213-CL0UD2		* FOS/RD	ACCUM	Ø.3	G4ØØH			300	1Ø38 1Ø38		SEL		1
NGC7213-CLOUD2		* FOS/RD	ACCUM	Ø.3	G57ØH		1	300		2	-		1
NGC7213-CLOUD3		* FOS/RD	ACCUM	Ø.3	G27ØH		1	300	1038	2	SEL		1
NGC7213-CL0UD3		* FOS/RD	ACCUM	Ø.3	G4ØØH		1	300	1038	2	SEL		1
NGC7213-CL0UD3		* F0S/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2	SEL		1
NGC7213-CL0UD3		* FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2	SEL		1
NGC7213-CL0UD3		* F0S/BL	ACCUM	Ø.3	G13ØH		1	600	1038	2	SEL	- FI	1
NGC7213-CL0UD3		* F0S/BL	ACCUM	Ø.3	G19ØH		1	600	1038	2	CON		1
NGC7213-CL0UD4		* FOS/RD	ACCUM	Ø.3	G57ØH		1	300	1038	2	CON	DEL	1
NGC7213-CL0UD5		* FOS/RD	ACCUM	Ø.3	G57ØH			600	1038	2	SEL		1
FS1Ø81-4	22 10 30.4 -12 46 52	•		1.0	F75ØW/F32ØN		1	600	1038	2	SEL		1
131001-4	22 10 30.4 -12 40 82	IS	SILII	1.0	F100H/F32WN		1 10	988	1Ø81	1			1
FS1Ø82-4	22 10 30.4 -12 46 52		IMAGE	ALL	F569W		1	Ø	1082	2	ACQ		2
FS1Ø82-4	22 10 30.4 -12 46 52			1.0	F75ØW/F32ØN		_	_		2	ACU		2
101202 4	22 10 00.4 -12 40 02	IS	0. 21.		1 10011/1 02011		1 1	500	1Ø82	2			2
FS1Ø83-4	22 10 30.4 -12 46 52		IMAGE	ALL	F569W		1	Ø	1Ø83	2	ACQ		3
FS1Ø83-4	22 10 30.4 -12 46 52			1.0	F75ØW/F32ØN		1 1	500	1083	2	ACQ		2
102000-4	22 10 00:4 -12 40 02	IS IS	O. LI.	1.0	1 10011/1 02011		1 1	ששם.	1503	2			2
HD21Ø839	22 11 30.6 59 24 51		ACCUM	2.0	G16ØM	1330	1	48Ø	1211	1			8
HD21Ø839	22 11 30.6 59 24 51		ACCUM	2.0	G16ØM	138Ø	ī	48Ø	1211	ī			7
NGC7236/7	22 14 46.9 13 50 27		IMAGE	512X512	F32ØW		ī	600	1Ø57	2			i
NGC7236/7	22 14 46.9 13 50 27	• .	IMAGE	512X512	F5Ø2M		i	300	1057	2			ī
NGC7236/7	22 14 48.9 13 50 27	•	IMAGE	512X512	F32ØW		i	600	1057	2	CON		ī
NGC7236/7	22 14 46.9 13 50 27	• .	SPEC	256X1Ø24-SLIT		45ØØ	_	2000	1057	2	CON		ī
NGC7236/7	22 14 46.9 13 50 27	•	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ	CON	1
Q2215-Ø37	22 17 47.8 -3 32 39	•	IMAGE	512X512	F43ØW		_	800	1234	ø	ved ,	-014	ī
Q2215-Ø37	22 17 47.8 -3 32 39		IMAGE	512X512	F342W			800	1234	2			i
7		/ 00			· - · - · ·				1734	~			-

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Anostuse	Spectral Element	Central Wave.	No.	Exp. Time	ID	_	Spec.	Total
rangeo	MA (2000)	000 (2000)	conrig.	MOGE	Aperture	Etement	Mave.	EXP	. 111110	10	Cy.	Req.	Lines
Q2215-Ø37	22 17 47.8		F0C/48	SPEC	256X1Ø24-SLIT			1	9000	1234	1	CON	1
STAR2215-Ø86	22 17 55.4		FOS/BL	ACCUM	1.0	G13ØH		1	800	1051	2		2
STAR2215-Ø86	22 17 55.4		FOS/BL	ACCUM	1.0	G19ØH		1	8ØØ	1051	2		1
STAR2215-Ø86	22 17 55.4		FOS/BL	ACCUM	1.0	G27ØH		1	800	1051	2		2
STAR2215-Ø86	22 17 55.4		FOS/BL	PERIOD	1.0	G16ØL		1	3763	1051	2		1
STAR2215-Ø86	22 17 55.4		FOS/BL	ACQ/BINA		MIRROR		1	Ø	1051	2	ACQ	1
H2215-Ø86	22 17 57.2		HSP/UV1	PRISM	1.0	F248M/F135W	1050		1476Ø	1090	1		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1252	1	94	1071	3		1
HD212Ø76	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1530	1	210	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	52	1071	3		1
HD212Ø76	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1303	1	84	1071	3		1
HD212Ø76	22 21 31.1	+ -	HRS	WSCAN	Ø.25	ECH-A	1356	1	199	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1558	1	199	1071	3		1
HD212Ø76	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1240	1	115	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1334	1	115	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1392	1	23Ø	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1191	1	63	1071	3		1
HD212Ø76	22 21 31.1		HRS	WSCAN	Ø.25	ECH-B	1805	1	94	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-B	1826	1	105	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-B	2024	1	63	1071	3		1
HD212Ø76	22 21 31.1		HRS	WSCAN	Ø.25	ECH-B	2602	1	84	1071	3		1
HD212076	22 21 31.1		HRS	WSCAN	Ø.25	ECH-A	1547	1	241	1071	3		1
3C445	22 23 49.5		F0C/98	IMAGE	512X512	F13ØM		1	600	1228	2		1
3C445	22 23 49.5		FOC/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C445	22 23 49.5		F0C/48	IMAGE	512X512	F18ØLP		1	600	1228	2	CON	1
3C445	22 23 49.5		F0C/288	IMAGE	512X512	F37ØLP		1	300	1228	2	2.22	1
3C445	22 23 49.5		F0C/48	SPEC	256X1Ø24-SLIT			1	1200	1228	2	CON	1
3C448	22 25 47.3		HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1099	2		1Ø
3C448	22 25 47.3		HSP/POL	STAR-SKY		F277M		1	66	1099	2		1Ø
3C446	22 25 47.3	–	HSP/POL	STAR-SKY		F277M		1	66	1099	2		10
3C446	22 25 47.3		HSP/POL	STAR-SKY		F277M		1	66	1099	2		1Ø
3C448	22 25 47.3		HSP/POL	STAR-SKY		F277M		1	66	1099	2		10
2223-052	22 25 47.4		F0C/288	IMAGE	512X512	F342W		1		1236	2		1
KRUGER-6ØB	22 28 5.2		WFC	IMAGE	W4	F6Ø6W		1	8Ø	1109	1		6
NGC7293		-20 47 11	WFC	IMAGE	ALL	F469N		1	2100	11Ø7	Ø		1
NGC7293		-20 47 11	WFC	IMAGE	ALL	F656N		1	2100	1107	Ø		1
NGC7293		-20 47 11	WFC	IMAGE	ALL	F658N		1	2100	1107	Ø		1
NGC7293		-20 47 11	WEC	IMAGE	ALL	F656N		1	2100	1107	2		1
PK36-57D1	22 29 38.7	-20 47 42	WFC	IMAGE	ALL	F122M		1	2400	1074	1		1
PK36-57D1	22 29 38.7	-20 47 42	WFC	IMAGE	ALL	F284W		1	2400	1074	1		1
NGC7293	22 29 38.8	-20 50 12	FGS	POS	2	F55ØW		1	52	1000	1		8
NGC7293	22 29 38.8	-20 50 12	FGS	POS	2	F55ØW		1	52	1000	2		32
NGC7293	22 29 38.8	-20 50 12	FGS	PO\$	2	F55ØW		1	52	1000	3		8
NGC7293	22 29 38.8	-20 50 12	FGS	POS	2	F55ØW		1	52	2931	1		8
NGC7293		-20 50 12	FGS	POS	2	F55ØW		1	52	2931	2		32
NGC7293	22 29 38.8	-20 50 12	FGS	POS	2	F55ØW		1	52	2931	3		8
NGC7293	22 29 38.8		FGS	TRANS	ANY	F583W		1	100	1000	1		1
NGC7293	22 29 38.8	-20 50 12	FGS	TRANS	ANY	F583W		1	100	2931	1		1
2227-395	22 30 32.9	-39 13 7	F0C/96	IMAGE	512X512	PRISM1	3575	1	900	1235	Ø		1
3C449	22 31 20.6		F0C/96	IMAGE	512X512	F32ØW		1	600	1057	2		1
3C449	22 31 20.6	39 21 31	F0C/98	IMAGE	512X512	F5Ø2M		1	300	1Ø57	2		1
3C449	22 31 20.6	39 21 31	F0C/288	IMAGE	512X512	F32ØW		1	600	1057	2	CON	1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines	
3C449	22 31 20.6	39 21 31	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1 1	2000	1Ø57	2	CON	1	1
3C449	22 31 20.6	39 21 31	F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1057	2	ACQ		
3C449	22 31 20.6	39 21 30	F0C/48	IMAGE	512X512	F18ØLP	3323	ī	600	1228	2	CON		ī
3C449	22 31 20.6	39 21 30	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		ĩ	1200	1228	2	CON	Ī	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	153Ø	ī	414	1071	2		ī	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1252	1	186	1071	2		1	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-B	237Ø	ī	1Ø3	1071	2		1	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	165	1071	2		1	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1356	1	393	1071	2		1	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1558	1	393	1071	2		1	L
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	124Ø	1	227	1071	2		1	
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1334	1	227	1071	2		1	1
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1392	1	455	1071	2		1	L
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-B	1826	1	207	1071	2		1	L
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1191	1	124	1Ø71	2		1	L
HD214Ø8Ø	22 36 6.4	-16 23 16	HRS	WSCAN	Ø.25	ECH-A	1547	1	476	1071	2		1	L
HD214Ø8Ø		-16 23 16	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	186	1071	2		1	L
HD214080		-16 23 16	HRS	WSCAN	Ø.25	ECH-B	2024	1	124	1071	2		1	Ĺ
HD214Ø8Ø	22 36 6.4		HRS	WSCAN	Ø.25	ECH-B	28Ø2	1	165	1071	2		1	Ĺ
PG2233+134	22 36 7.7		WFC	IMAGE	ALL	F7Ø2W		1	1000	1Ø15	2		1	L
SKY-BG13	22 36 7.7			ACCUM	1.0	G65ØL	6232	1	1000	1Ø15	1	PAR	1	L
CY-AQR	22 37 47.8		HSP/VIS	PRISM	1.0	F551W/F24ØW		1	7200	1103	1		1	L
2237+0305	22 40 29.8		PC	IMAGE	ALL	F555W		1	3Ø	1116	Ø		1	
2237+0305	22 40 29.8		PC	IMAGE	ALL	F555W		1	400	1116	Ø		1	
2237+0305	22 40 29.8		PC	IMAGE	ALL	F725LP		1	400	1116	Ø		1	
2237+0305	22 40 29.8		PC	IMAGE	ALL	F725LP		1	23	1116	Ø			1
G2237+Ø3Ø5	22 40 29.8		F0C/96	IMAGE	512X512	F2ND F342W		1	18ØØ	1Ø59	Ø			1
HD214994	22 41 45.4		HRS	ACCUM	Ø.25	ECH-A	1362	1	1800	1182	1			1
HD214994	22 41 45.4		HRS	ACCUM	Ø.25	ECH-B	1942	1	525	1182	1		1	
HD214994	22 41 45.4		HRS	ACCUM	Ø.25	ECH-B	1739	1	1800	1182	1			1
HD214994	22 41 45.4		HRS HRS	ACCUM	Ø.25	ECH-B	1849	1	465	1182	1			1
HD214994	22 41 45.4		HRS	ACCUM ACCUM	Ø.25	ECH-B	1868	1	925	1182	1			1
HD214994 HD214994	22 41 45.4 22 41 45.4		HRS	ACCUM	Ø.25 Ø.25	ECH-B	2354	1	290	1182	1			1
HD214994	22 41 45.4		HRS	ACCUM	Ø.25 Ø.25	ECH-B G16ØM	2536	1	235	1182	1			1
HD214994	22 41 45.4		HRS	ACCUM	Ø.25 Ø.25	G27ØM	1268	1	710	1182	1			1
HD214994	22 41 45.4		HRS	WSCAN	Ø.25	G2ØØM	3131	1	165	1182	1			1
HD214994	22 41 45.4		HRS	ACCUM	Ø.25	ECH-A	1858	1	875	1182	1			1
HD214994	22 41 45.4		HRS	WSCAN	Ø.25	G16ØM	1649	1	2655	1182	1			1
HD214994	22 41 45.4		HRS	WSCAN	Ø.25	G27ØM	1500	1	3815	1182	1			1
BD+43D43Ø5	22 46 52.1		F0C/288	OCC	512X512-FØ.4	F37ØLP	2532	1	1425	1182	1			1
BD+43D43Ø5	22 46 52.1		F0C/288	BCC	512X512-FØ.4	F220W F278M F4ND		6	12ØØ 6Ø	1274	1	4.00		1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	1530	1		1274	1	ACQ		1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	1530	1	522 287	1071	3			1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-B	1240	1		1071	3			1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	2370	1	130	1071	3			1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	1334	1	287 495	1071	3			1
HD216733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	1356	. 1	498 574	1071	3			1
HD215733	22 47 2.6	-	HRS	WSCAN	Ø.25	ECH-A	1392	1		1071	3			1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-A	1558	1	495	1071	3			1
HD215733	22 47 2.6	-	HRS	WSCAN	Ø.25	ECH-A	1252	1	234	1071	3			1
HD215733	22 47 2.6		HRS	WSCAN	Ø.25	ECH-B	1303	1	2Ø8 261	1071	3			1 1
	: 2.0	41 A-7 U		11001111	~ . 20	#411D	1826	1	201	1071	3			

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spe Cy. Re		Γotal _ines
HD215733	22 47 2.6	17 14 Ø	HRS	WSCAN	Ø.25	ECH-A	1191	1	156	1071	3		1
HD215733	22 47 2.6	17 14 Ø	HRS	WSCAN	Ø.25	ECH-A	1547	1	600	1071	3		ī
HD215733	22 47 2.6	17 14 Ø	HRS	WSCAN	Ø.25	ECH-B	18Ø5	1	234	1071	3		ī
HD215733	22 47 2.8	17 14 Ø	HRS	WSCAN	Ø.25	ECH-B	2024	1	156	1071	3		ĩ
HD215733	22 47 2.6	17 14 Ø	HRS	WSCAN	Ø.25	ECH-B	26Ø2	1	2Ø8	1071	3		1
HD217789	22 48 33.2	-51 19 1	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD217789	22 48 33.2	-51 19 1	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD217789	22 48 33.2	-51 19 1	F0C/288	OCC	512X1Ø24-FØ.4	F342W POLØ		1	300	1275	2		1
HD217789	22 48 33.2	-51 19 1	F0C/288	OCC	512X1Ø24-FØ.4	F486N F8ND		1	100	1275	2		1
HD217789	22 48 33.2		F0C/288	OCC	512X1024-F0.4			1	300	1275	2		1
HD217789	22 48 33.2		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD217789	22 48 33.2		F0C/288	OCC	512X1Ø24-FØ.4			1	300	1275	2		1
HD217789	22 48 33.2		F0C/288	OCC .	512X1Ø24-FØ.4		1222	1	300	1275	2		1
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-A	1330	1	275	1182	3		1
HD215573	22 50 22.7	_	HRS	ACCUM	Ø.25	ECH-A	1335	1	277	1182	3		1
HD215573	22 50 22.7		HRS	WSCAN	Ø.25	G27ØM	2535		1003	1182	2		1
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-A	1362	1	26Ø	1182	2		1
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-A	1649	1	98Ø	1182	2		1
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-B	1942	1	235	1182	2		1
HD215573 HD215573	22 50 22.7	_	HRS	ACCUM	Ø.25	G27ØM	3131	1	92	1182	2		1
HD215573	22 50 22.7 22 50 22.7		HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A ECH-A	1378 1677	1 1	29Ø 564	1182 1182			1
HD215573	22 50 22.7	-	HRS	ACCUM	Ø.25	ECH-B	1739	1	235	1182	3 3		1 1
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-B	1783	ī	16Ø	1182	3		i
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-B	18Ø1	i	148	1182	-		i
HD215573	22 50 22.7	_	HRS	ACCUM	Ø.25	ECH-B	2082	ī	-88	1182	3		ī
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-B	2354	ī	13Ø	1182	3		ī
HD215573	22 50 22.7		HRS	ACCUM	Ø.25	ECH-B	2536	ī	117	1182	3		î
HD215573	22 50 22.7		HRS	WSCAN	Ø.25	G16ØM	1484	1	842	1182	2		ī
HD215573	22 50 22.7	-80 7 28	HRS	WSCAN	Ø.25	G2ØØM	1859	1	391	1182	2		ī
HD215573	22 50 22.7	-80 7 26	HRS	ACCUM	Ø.25	ECH-B	1849	1	189	1182	3		1
2247+140	22 50 25.4	14 19 52	FOS/RD	ACCUM	4.3	G65ØL	6000	1	3Ø	1154	2		1
2247+140	22 50 25.4	14 19 52	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1154	2 A	CQ	1
2247+140	22 50 25.4	14 19 52	FOS/RD	ACCUM	2.Ø-BAR	G65ØL	6000		1800	1154	2	-	1
3C454	22 51 34.7	18 48 40	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C454	22 51 34.7	18 48 40	F0C/96	IMAGE	512X512	F346M		1	800	1228	2		1
3C454	22 51 34.7	18 48 40	F0C/96	IMAGE	512X512	F37ØLP		1	300	1228	2	_	1
3C454	22 51 34.7	18 48 40	F0C/48	IMAGE	512X512	F18ØLP		1	600	1228		DN	1
3C454	22 51 34.7	18 48 40	F0C/48	SPEC	256X1Ø24-SLIT		2.42=		1200	1228	_	DN	1
HD216385	22 52 24.1	9 50 9	HRS	ACCUM	Ø.25	G27ØM	2497	2	420	1064		DN SEL	
3CR454.3	22 53 57.7	16 8 54	HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1099	2		10
3C454.3	22 53 57.8	16 8 54	F0C/96	IMAGE	512X512	F32ØW		1	900	1228	1		1
3C454.3 3C454.3	22 53 57.8	16 8 54	F0C/96	IMAGE IMAGE	512X512	F231M		1	600	1228	2	201	1
3C454.3	22 53 57.8	16 8 54	F0C/48	IMAGE	512X512 512X512	F18ØLP F37ØLP		1 1	600 900	1228		DN	1
3C454.3	22 53 57.8	16 8 54	F0C/288	SPEC	256X1Ø24-SLIT			_	900 1200	1228 1228	1	DNI	1
MR2251-178W	22 53 57.8 22 54 5.8	16 8 54 -17 34 55*	F0C/48	SPEC	256X1024-SLIT				3500	1225	2 CO	DN	1 1
MR2251-178W		-17 34 55 <del>*</del>		SPEC	256X1024-3L11 256X1024-SLIT				1200	1225	2		1
MR2251-178W		-17 34 55*		SPEC	256X1Ø24-SLIT				3600	1225	2		i
MR2251-178W		-17 34 55+	•	SPEC	256X1024-SLIT				44ØØ	1225	2		i
MR2251-178		-17 34 55	F0C/96	IMAGE	512X512	F13ØM			2400	1233	ø		i
MR2251-178		-17 34 55	F0C/96	IMAGE	512X512	F19ØM			1200	1233	ø		ī
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Target	RA (2000) D	ec (2000)	Inst. O Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
MR2251-178	22 54 5.8 -	17 34 55	F0C/96	IMAGE	512X512	F41ØM		1	1800	1233	ø			1
MR2251-178	22 54 5.9 -	17 34 55	WFC	IMAGE	ALL	F725LP		1	1700	1116	2			1
MR2251-178		17 34 55	WFC	IMAGE	ALL	F725LP		1	212	1116	2			1
MR2251-178		17 34 55	WFC	IMAGE	ALL	F725LP		1	2	1116	2			1
MR2251-178		17 34 55	F0C/96	IMAGE	512X512	F13ØM	1270	1	4000	1225	2			1
MR2251-178		17 34 55	F0C/48	SPEC	256X1Ø24-SLIT			1	1000	1225	1			1
MR2251-178		17 34 55	F0C/48	SPEC	256X1Ø24-SLIT			1	1000	1225	2			1
MR2251-178	· ·	17 34 55	F0C/48	SPEC	256X1Ø24-SLIT			1	4500	1225	1			1
MR2251-178		17 34 55	F0C/48	SPEC	256X1Ø24-SLIT			1	2600	1225	2			1
MR2251-178		17 34 55	F0C/48	SPEC	256X1Ø24-SLIT		4450	1	7500	1225	2			1
MR2251-178		17 34 55	F0C/48	SPEC	256X1Ø24-SLIT		4450	1	4500	1225	1			1
MR2251-178		17 34 55 11 36 39	FOC/48 PC	SPEC IMAGE	256X1Ø24-SLIT		445Ø	1	75ØØ 7Ø8	1225 1Ø32	2	4.00		1
4C11.72		11 36 39	PC	IMAGE	ALL ALL	F128LP		1	7Ø8		2	ACQ		1
4C11.72 4C11.72		11 36 39	FOS/RD	ACCUM	Ø.5	F725LP G65ØL		1 1	280	1Ø32 1Ø32	2	ACQ CON		1 1
4C11.72 4C11.72		11 36 39	FOS/RD	ACCUM	Ø.5	PRISM		1	280	1032	2	CON		1
4C11.72		11 36 39	FOS/RD	ACQ/BINA		MIRROR		ī	200	1032	2			ī
4C11.72		11 36 39	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	G65ØL		î	2553	1032	2			ī
4C11.72		11 36 39	FOS/RD	ACCUM	Ø.7X2.Ø-BAR	PRISM		ī	2553	1032	2	CON		ī
4C11.72		11 36 39	FOS/RD		Ø.7X2.Ø-BAR	MIRROR		ī	10	1Ø32	2	ACQ		ī
SKY1		11 36 39*	•	ACCUM	Ø.7X2.Ø-BAR	G65ØL	6500	1	7Ø8	1Ø32	2	PAR		2
PG2251+113	22 54 10.5	11 36 38	WFC [']	IMAGE	ALL	F7Ø2W		1	1000	1Ø15	2			1
SKY-BG14	22 54 10.5	11 36 38*	FOS/RD	ACCUM	1.0	G65ØL	6232	1	1000	1Ø15	1	PAR		1
AO-PSC	22 55 18.Ø	-3 10 40	FOS/BL	ACCUM	1.0	G13ØH		1	800	1Ø51	2		:	2
AO-PSC	22 55 18.Ø	-3 10 40	FOS/BL	ACCUM	1.0	G19ØH		1	8ØØ	1Ø51	2			1
AO-PSC		-3 10 40	FOS/BL	ACCUM	1.0	G27ØH		1	8ØØ	1051	2			2
AO-PSC		-3 10 40	FOS/BL	ACQ/BINA		MIRROR		1	Ø	1051	2	ACQ		1
A0-PSC		-3 10 40	FOS/BL	PERIOD	1.0	G16ØL		1	3434	1051	2			1
AO-PSC		-3 10 39	HSP/UV1	PRISM	1.0	F248M/F135W			12959	1090	1			1
FS1Ø83-8		-8 46 34	WFC	IMAGE	ALL	F569W		1	Ø	1083	3	ACQ		2
FS1Ø83-8	22 58 31.2	-8 46 34	HSP/PMT/V IS	SPLII	1.0	F75ØW/F32ØN		1	1500	1Ø83	3			2
IC1459	22 57 17.5 -		F0C/96	IMAGE	512X512	F32ØW		1	600	1Ø57	1			1
IC1459		36 24 57	F0C/96	IMAGE	512X512	F5Ø2M		1	300	1057	1			1
IC1459	22 57 17.5 -		F0C/288	IMAGE	512X512	F32ØW		1	600	1057	2	CON		1
IC1459	22 57 17.5 -		F0C/48	SPEC	256X1Ø24-SLIT		4500	1	7200	1057	2	CON		1
IC1459	22 57 17.5 -		F0C/48	IMAGE	128X128-ASLIT		392Ø	1.	100	1057	2	CON		1
FS1Ø81-7		-8 37 30	HSP/PMT/V IS		1.0	F750W/F32ØN		1 1	10080	1Ø81	1			1
ALPHA-PSA	22 57 37.8 -		WFC	IMAGE	ALL	F555W		1	7Ø	1122	3			2
ALPHA-PSA	22 57 37.8 -		WFC	IMAGE	ALL	F555W		1	1	1122	3			2
HD216956	22 57 38.9 -		HRS	ACCUM	Ø.25	ECH-B2Ø	2799	1	58	1171	2			1
HD216956	22 57 38.9 -		HRS	ACCUM	Ø.25	ECH-B22	2589	1	58	1171	2			1
HD216956	22 57 38.9 -		HRS	ACCUM	Ø.25	ECH-B22	2603	1	58	1171	2			1
HD216956	22 57 38.9 -		HRS	ACCUM	Ø.25	ECH-B27	2064	1	58	1171	2			1
HD216956	22 57 38.9 -		HRS	ACCUM	Ø.25	ECH-B28	2027	1	58	1171	2			1
HD216956	22 57 38.9 - 22 57 38.9 -		HRS HRS	ACCUM	Ø.25	G16ØM	1554	1	110	1171	2			1
HD216956			HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-B2Ø	2854	1	58 58	1171	2			1
HD216956 HD216956	22 57 38.9 - 22 57 39.0 -		F0C/96	OCC	512X1Ø24-FØ.4	ECH-B25	2259	1	58 600	1171 1275	2			1
HD216956	22 57 39.0 - 22 57 39.0 -		F0C/96	OCC	512X1024-F0.4 512X1024-F0.4			1 1	6ØØ 6ØØ	1275	2			1
HD216956	22 57 39.0 -		F0C/96	OCC	512X1024-F0.4 512X1024-F0.4			1	600	1275	2			1
110210300	22 01 33.0 -	20 01 20	. 50/ 30	550	~1-VI074-1,0.4	1 01 2 M			OUD	1215	~			-

Target	RA (	200	Ø)	Dec	: (200	9Ø)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines	
HD216956	22	57	39.0	-29	37	2Ø	F0C/96	occ	512X512-FØ.4	F486N F8ND		1	100	1275	2		1	
HD216956	22	57	39.∅	-29	37	2Ø	F0C/96	OCC	512X1Ø24-FØ.4	F32ØW POLØ		1	600	1275	2		1	
HD216958			39.Ø				F0C/96	OCC	512X1Ø24-FØ.4	F32ØW POL6Ø		1	600	1275	2		1	
HD216958	22	57	39.Ø	-29	37	2Ø	F0C/98	OCC	512X1Ø24-FØ.4	F32ØW P0L12Ø		1	600	1275	2		1	
POINT2255-282INCA221	22	57	39.6	-28	8	49	S/C	POINTING	V1			1	Ø	1571	2		1	
-158							•											
POINT2255-282INCA221 -158	22	57	39.6	-28	8	49	s/c	POINTING	V1			1	Ø	1571	3		1	
INCA221-158	22	57	42.7	-27	57	58	FGS	POS	2	F5ND		1	51	1571	2		2	
INCA221-158	22	57	42.7	-27	57	58	FGS	POS	2	F5ND		1	51	1571	.3		2	
2255-282INCA221-158	22	58	6.0	-27	⁷ 58	21	FGS	POS	2	F55ØW		1	51	1571	2		1	
2255-282INCA221-158	22	58	6.0	-27	7 58	21	FGS	POS	2	F583W		1	51	1571	2		2	
2255-282INCA221-158	22	58	6.0				FGS	POS	2	F550W		1	51	1571	3		1	
2255-282INCA221-158	22	58	6.0	-27	58	21	FGS	POS	2	F583W		1	51	1571	3		2	
MKN1126	23	Ø	47.8	-12	2 55	8	F0C/96	IMAGE	512X512	F5Ø2M	495Ø	1	400	1227	2		1	
MKN1126	23		47.8			8	F0C/96	IMAGE	512X512	F55ØM	547Ø	1	400	1227	2		1	
MKN1126	23		47.8		2 55	8	F0C/48	SPEC	256X1Ø24-SLIT			1	600	1227	2		1	
MKN1126	23		47.8			8	F0C/48	SPEC	256X1Ø24-SLIT		4450	1	400	1227	2		1	
1E2259+586	23	1	7.8		52		PC	IMAGE	ALL	F7Ø2W			1800	1098	2	ACQ	1	
1E2259+586	23	1	7.8		52		HSP/VIS	SINGLE	0.4	F16ØLP		_	1200	1098	2	CON	2	
1E2259+586	23		7.8		52		FOS/RD	ACCUM	Ø.3	G65ØL	6000		1800	1Ø98	2	CON	1	
NGC7469	23		15.8		52		F0C/48	IMAGE	512X512	F18ØLP		1	6ØØ	1228	2	CON	1	
NGC7469	23		15.6		52		F0C/288	IMAGE	512X512	F32ØW		1	300	1228	2		1	
NGC7469	23	-	15.6		52		F0C/288	IMAGE	512X512	F372M		1	600	1228	2		1	
NGC7469	23	-	15.6		52		F0C/288	IMAGE	512X512	F5Ø2M		1	600	1228	2		1	
NGC7489	23		15.6		52		F0C/48	SPEC	256X1Ø24-SLIT 512X512	F152M	1 5 0 0		1200	1228	2	CON	1	
NGC7469	23	-	15.6	_	52		F0C/98	IMAGE IMAGE	512X512 512X512	F5Ø2M	1500 4950	1 1	600	1227	1		1	
NGC7469	23 23	-	15.6	_	3 52 3 52		F0C/96 F0C/96	IMAGE	512X512 512X512	F120M	1215	1	600 600	1227 1227	1		1 1	
NGC7469 NGC7469	23	_	15.6 15.6		5 52		F0C/98	IMAGE	512X512 512X512	F55ØM	547Ø	i	600	1227	1		i	
NGC7489	23	-	15.6		52		F0C/48	SPEC	256X1Ø24-SLIT		0410	i	8ØØ	1227	2		i	
NGC7469	23	-	15.6		52		F0C/48	SPEC	256X1Ø24-SLIT		445Ø	ī	600	1227	2		ī	
MCG-2-58-22	23	_	43.5		3 41	9	HRS	ACCUM	2.0	G2ØØM	1760	ī	300	1170	3		ī	
MCG-2-58-22	23		43.5	E		9	HRS	ACCUM	2.0	G2ØØM	1800	ī	300	1170	3		ī	
MCG-2-58-22	23	-	43.5			9	HRS	ACCUM	2.0	G14ØL	1590		1440	117ø	3		ī	
MCG-2-58-22	23	-	43.5	_ <b>ε</b>		9	HRS	ACCUM	2.0	G27ØM	2992	ī	300	117ø	3		ī	
MCG-2-58-22	23	-	43.5		41	9	HRS	ACCUM	2.0	G27ØM	3ø32	ī	300	1170	3		ī	
MCG-2-58-22	23		43.5	-	–	9	HRS	ACCUM	2.0	G2ØØM	1944	1	36Ø	117ø	3		ī	
MCG-2-58-22	23	-	43.5	-8		9	HRS	ACCUM	2.0	G2ØØM	1982	1	36Ø	1170	3		1	
MCG-2-58-22	23		43.5	-8	41	9	HRS	ACCUM	2.0	G2ØØM	2Ø18	1	36Ø	117Ø	3		1	
MCG-2-58-22	23	-	43.5	-8		9	HRS	ACCUM	2.0	G2ØØM	2056	1	36Ø	117Ø	3		1	
MCG-2-58-22	23	4	43.5	-8	3 41	9	HRS	ACCUM	2.0	G27ØM	2916	1	24Ø	117Ø	3		1	
MCG-2-58-22	23	4	43.5	-8	3 41	9	HRS	ACCUM	2.0	G27ØM	2952	1	240	117Ø	3		1	
MCG-2-58-22	23	4	43.5	8	3 41	9	HRS	ACCUM	2.0	G27ØM	2836	1	240	117Ø	3		1	
MCG-2-58-22	23	4	43.5	-8	3 41	9	HRS	ACCUM	2.0	G27ØM	2876	1	240	1170	3		1	
MCG-2-58-22	23	4	43.5	-8	3 41	9	HRS	ACCUM	2.0	G14ØL	1315	1	1Ø19	117Ø	3		1	
PG23Ø2+Ø29	23	4	45.0	3	3 11	46	FOS/RD	ACCUM	Ø.5	PRISM	3500	1	375	1026	1		1	
PG23Ø2+Ø29	23	4	45.0	3	3 11	46	FOS/BL	ACCUM	Ø.5	G13ØH	1300		5000	1026	1		1	
PG23Ø2+Ø29	23	4	45.0		3 11		FOS/RD	ACCUM	Ø.5	G19ØH	1900		2500	1026	1		1	•
PG23Ø2+Ø29	23	4	45.Ø		3 11		FOS/RD	ACCUM	Ø.5	G27ØH	2700		2500	1026	1		1	
PG23Ø2+Ø29	23	-	45.0		3 11		FOS/BL	ACQ/BINA		MIRROR		1	13	1026	1	ACQ	1	
PG23Ø2+Ø29	23	4	45.0	3	3 11	46	FOS/RD	ACQ/BINA	4.3	MIRROR		1	13	1026	1	ACQ	1	

### Fixed Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
23Ø5+187	23 7 45.6	19 1 22	FOS/RD	ACCUM	4.3	G65ØL	6000	1	3Ø	1154	1		i
2305+187	23 7 45.6		FOS/RD	ACQ/BINA		MIRROR		1	11	1154	1	ACQ	1
2305+187	23 7 45.8		FOS/RD	ACCUM	2.Ø-BAR	G65ØL	6000	1	1800	1154	1	•	1
2305+187	23 7 45.7		WFC	IMAGE	ALL	F157W	•	ī	500	1157	ø		ī
2305+187	23 7 45.7		WFC	IMAGE	ALL	F284W		ī	300	1157	ø		ī
	23 7 45.7		WFC		ALL	F656N		i	800	1157	ø		i
2305+187				IMAGE				î	5Ø	1157	ø		i
2305+187	23 7 45.7		WFC	IMAGE	ALL 0. F. DAD	F814W	3875		1800	1154	1		
OFFSET-2305+187	23 7 45.9		FOS/RD	ACCUM	2.Ø-BAR	PRISM	3075		7200	1103	1		1
DY-PEG	23 8 51.1		HSP/VIS	PRISM	1.0	F551W/F24ØW	2500		320	1026	ø		1
PG23Ø8+Ø98	23 11 17.8		FOS/RD	ACCUM	0.5	PRISM	3500	1			_		1
PG23Ø8+Ø98	23 11 17.8		FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	3000	1026	Ø		1
PG23Ø8+Ø98	23 11 17.8		FOS/BL	ACCUM	Ø.5	G13ØH	1300	1	4040	1026	Ø		1
PG23Ø8+Ø98	23 11 17.8		FOS/RD	ACCUM	Ø.5	G27ØH	2700	1	840	1026	Ø		1
PG23Ø8+Ø98	23 11 17.8	1Ø 8 16	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1026	Ø	ACQ	1
PG23Ø8+Ø98	23 11 17.8	10 8 16	FOS/RD	ACQ/BINA	4.3	MIRROR		1	5	1Ø28	Ø	ACQ	1
PKS23Ø8+Ø98	23 11 18.4	1Ø 8 14	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	1163	2	ACQ	1
PKS23Ø8+Ø98	23 11 18.4	1Ø 8 14	FOS/BL	ACCUM	1.0	G19ØH	1944	1	900	1163	2		1
PKS23Ø8+Ø98	23 11 18.4	1Ø 8 14	FOS/BL	ACCUM	1.0	G27ØH	2766	1	600	1163	2		1
PKS23Ø8+Ø98	23 11 18.4	1Ø 8 14	FOS/BL	ACCUM	1.0	G13ØH	1379	1	1800	1163	2		1
NGC75Ø7	23 12 8.8	-28 32 50	F0C/98	IMAGE	512X512	F320W		1	600	1057	1		1
NGC75Ø7	23 12 8.8		F0C/98	IMAGE	512X512	F5Ø2M		1	300	1057	1		1
NGC75Ø7		-28 32 50	F0C/288	IMAGE	512X512	F320W		1	600	1057	2	CON	1
NGC75Ø7	23 12 8.8		F0C/48	SPEC	256X1024-SLIT	G45ØM	4500	1 1	2000	1057	2	CON	1
NGC75Ø7	23 12 8.8		F0C/48	IMAGE	128X128-ASLIT		3920	1	100	1057	2	ACQ	CON 1
NGC7538	23 13 45.4		WFC	IMAGE	ALL	F7Ø2W		2	300	1138	2	•	1
NGC7538	23 13 45.4		WFC	IMAGE	ALL	F85ØLP		2	200	1138	2		1
NGC7538	23 13 45.4		WFC	IMAGE	ALL	F85ØLP		2	1000	1138	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	153Ø	1	432	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	108	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1240	1	237	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1334	1	237	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	0.25	ECH-A	1392	1	475	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1252	1	194	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	13Ø3	ī	172	1071	2		1
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1356	ī	410	1071	2		ĩ
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1558	ī	410	1071	2		ī
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-B	1826	ī	216	1071	2		ī
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-A	1547	ī	496	1071	2		ī
			HRS	WSCAN	Ø.25	ECH-A	1191	ī	129	1071	2		ī
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-B	1805	i	194	1071	2		ī
HD219188	23 14 Ø.6					ECH-B	2024	î	129	1071	2		î
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25		2602	i	172	1071	2		i
HD219188	23 14 Ø.6		HRS	WSCAN	Ø.25	ECH-B	495Ø	i	300	1227	2		i
NGC7582	23 18 23.2		F0C/96	IMAGE	512X512	F5Ø2M		i	300	1227	2		i
NGC7582	23 18 23.2		F0C/96	IMAGE	512X512	F55ØM	5470				2		i
NGC7582	23 18 23.2		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	300	1227			i
NGC7582	23 18 23.2		F0C/48	SPEC	256X1Ø24-SLIT		4450	1	300	1227	2		
CAS-A	23 23 28.8		WFC	IMAGE	ALL	F336W		1	1200	1098	2	400	1
CAS-A	23 23 26.8		WFC	IMAGE	ALL	F7Ø2W		1	1200	1098	2	ACQ	1
CAS-A	23 23 26.8		HSP/VIS	SINGLE	0.4	F16ØLP		1	1200	1098	2	CON	2
CAS-A	23 23 26.8		FOS/RD	ACCUM	Ø.3	G65ØL	8000	1	1800	1098	2	CON	1
POINT-CP2.2	23 24 27.8		S/C	POINTING				1	Ø	1014	2	CON	1
POIŅT-CP2.1	23 25 59.6	28 32 29	s/c	POINTING	V1			1	Ø	1014	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	•	Total Lines
2326-477INCA221-162	23 29 17.6	-47 30 19	FGS	POS	2	F583W		1	51	1571	2		3
2328-477INCA221-162	23 29 17.6	-47 30 19	FGS	POS	2	F583W		1	51	1571	3		3
POINT2326-477INCA221	23 29 32.4	-47 42 2Ø	S/C	POINTING	<b>V1</b>			1	Ø	1571	2		1
-162			•										
POINT2326-477INCA221 -162	23 29 32.4	-47 42 20	s/c	POINTING	V1			1	Ø	1571	3		1
INCA221-162	23 30 28.5	-47 34 15	FGS	POS	2	F5ND		1	51	1571	2		2
INCA221-162	23 30 28.5		FGS	POS	2	F5ND		ī	51	1571	3		2
NGC7714	23 38 14.1	2 9 18	PC	IMAGE	ĀLL	F23ØW		_	1000	1041	Ø	ACQ	1
NGC7714	23 36 14.1	2 9 18	PC	IMAGE	ALL	F547M		1	200	1041	Ø	ACQ	1
NGC7714	23 36 14.1	2 9 18	PC	IMAGE	ALL	F664N		1	1000	1041	Ø	ACQ	1
NGC7714	23 36 14.1	2 9 18	FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	1	CON SE	L 1
NGC7714	23 36 14.1	2 9 18	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON SE	L 1
NGC7714	23 36 14.1	2 9 18	FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	1	CON SE	L 1
NGC7714	23 36 14.1	2 9 18	FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	1	CON SE	L 1
NGC7714-OFF	23 36 14.1	2 9 18+	FOS/BL	ACCUM	Ø.3	G16ØL		1	1000	1041	1	CON SE	L 1
NGC7714-OFF	23 36 14.1	2 9 18+	FOS/RD	ACCUM	Ø.3	G27ØH		1	500	1041	1	CON SE	L 1
NGC7714-OFF	23 36 14.1		FOS/RD	ACCUM	Ø.3	G4ØØH		1	200	1041	1	CON SE	
NGC7714-OFF	23 36 14.1		FOS/RD	ACCUM	Ø.3	G57ØH		1	200	1041	1	CON SE	
NGC7714-OFFSET-STAR	23 36 14.1			ACQ/BINA	4.3	MIRROR		1	5	1041	1	ACQ CO	N 1
NGC7714	23 38 14.3		WFC	IMAGE	ALL	F336W		1	6	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	F336W		1	3Ø	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	F439W		1	9	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	F664N		1	3Ø	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	G45ØL		1	3Ø	1187	Ø	ACQ	1
NGC7714	23 36 14.3	2 9 17	WFC	IMAGE	ALL	F23ØW		1	12	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	F23ØW		1	120	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC	IMAGE	ALL	F569W		1	1	1187	Ø	ACQ	1
NGC7714	23 36 14.3		WFC HRS	IMAGE	ALL	F675W	1000	1	2	1187	Ø	ACQ	1
NGC7714	23 36 14.3 23 36 14.3		HRS	ACCUM ACCUM	2.0	G140L	1300		1200	1187	1		1
NGC7714 NGC7714	23 36 14.3 23 36 14.3		HRS	ACCUM	2.0	G14ØL	1800		138Ø	1187	1		1
		7 1 71	HRS	ACCUM		G14ØL	1550		1019	1187	1		1
NGC7714 NGC7714-OFFSET-STARS	_			IMAGE	2.Ø All	G27ØM F6Ø6W	2600	1	1Ø19 15	1187 1041	1 Ø	ACQ	1 1
-FIELD	23 30 14.6	2 3 20+	W C	IMAGE	ALL	FODOW		-	19	1041	W	ACA	1
3C465E	23 38 29.4	27 1 55	F0C/96	IMAGE	512X512	F32ØW		1	300	1228	2		1
3C465E	23 38 29.4		F0C/96	IMAGE	512X512	F37ØLP		i	300	1228	2		i
3C465E	23 38 29.4		F0C/48	IMAGE	512X512	F18ØLP		i	600	1228	2	CON	i
3C465E	23 38 29.4		F0C/48	SPEC	256X1Ø24-SLIT				1200	1228	2	CON	i
NGC772Ø	23 38 29.4		F0C/96	IMAGE	512X512	F5Ø2M		i	600	1058	2	CON	i
NGC772Ø	23 38 29.4		F0C/96	IMAGE	512X512	F32ØW		_	1200	1058	2		ī
NGC772Ø	23 38 29.4		F0C/288	IMAGE	128X128	F32ØW		ī	600	1057	2	CON	ī
NGC772Ø	23 38 29.4		F0C/48	SPEC	256X1Ø24-SLIT		4500	_	2000	1057	2	CON	ī
NGC772Ø	23 38 29.4		F0C/48	IMAGE	128X128-ASLIT		3920	ī.	100	1057	2	ACQ CO	_
3C465N	23 38 29.4		F0C/48	IMAGE	512X512	F18ØLP	VV	ī	600	1228	2	CON	· ī
3C465N	23 38 29.4		F0C/48	SPEC	256X1Ø24-SLIT			_	1200	1228	2	CON	ī
4CØ4.81	23 40 58.0		F0C/96	IMAGE	512X512	F437M		ī	900	1228	ī		ī
4CØ4.81	23 40 58.0		F0C/98	IMAGE	512X512	F32ØW		ī	300	1228	2		ī
4CØ4.81	23 40 58.0		F0C/98	IMAGE	512X512	F37ØLP		ī	600	1228	ī		1
4CØ4.81	23 40 58.0	4 31 15	F0C/48	IMAGE	512X512	F18ØLP		ī	600	1228	2	CON	1
4CØ4.81	23 40 58.0	4 31 15	F0C/48	SPEC	256X1Ø24-SLIT	GRAT-PRISM		1	1200	1228	2	CON	1
ROSS248	23 41 55.0	44 10 39	F0C/96	OCC	512X512-FØ.4	F37ØLP		1	900	1274	Ø		1

Fi	X€	be	Ta	rg	0	ts
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Target	RA (2000)		Inst. ( Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
R0SS-248	23 41 55.2	. 44 11 5Ø \	WFC	IMAGE	W4	F6Ø6W		1	200	1109	1		6
CENTER-R-AQR	23 43 49.6	-15 17 Ø# I	F0C/96	IMAGE	512X512	F19ØM		1	300	1253	Ø		1
CENTER-R-AQR	23 43 49.6	-15 17 Ø* I	F0C/96	IMAGE	512X512	F278M		1	300	1253	Ø		1
CENTER-R-AQR	23 43 49.6	3 -15 17 Ø* I	F0C/96	IMAGE	512X512	F372M		1	300	1253	Ø		ī
CENTER-R-AQR	23 43 49.6		F0C/98	IMAGE	512X512	F486N		1	3ØØ	1253	Ø		ī
CENTER-R-AQR	23 43 49.6		F0C/96	IMAGE	512X512	F5Ø1N		1	300	1253	Ø		ī
CENTER-R-AQR			F0C/96	IMAGE	512X512	F12ØM		1	300	1253	1		ī
CENTER-R-AQR	23 43 49.6		F0C/96	IMAGE	512X1Ø24	F12ØM		1	300	1253	ø		ī
CENTER-R-AQR			F0C/96	IMAGE	512X1Ø24	F5Ø1N		i	600	1253	ø		ī
CENTER-R-AQR			F0C/288	IMAGE	512X512	F19ØM		1	300	1253	1		ī
CENTER-R-AQR			F0C/288	IMAGE	512X512	F5Ø1N		1	300	1253	1		ī
CENTER-R-AQR			F0C/96	IMAGE	512X512	F2ND F5Ø1N		ī	300	1253	ī		ī
CENTER-R-AQR			F0C/96	IMAGE	512X512	F14ØW PRISM1		1	300	1253	ī		ī
CENTER-R-AQR			F0C/96	IMAGE	512X512	F342W PRISM2		ī	300	1253	ī		ī
CENTER-R-AQR	23 43 49.6		F0C/98	IMAGE	512X1Ø24	F195W PRISM1		ī	300	1253	ø		î
CENTER-R-AQR			F0C/96	IMAGE	512X1Ø24	F275W PRISM2		ī	300	1253	ø		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F555W		ī	3Ø	1105	3		i
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F7Ø2W		ī	3Ø	1105	3		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F555W		1	23Ø	1105	3		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F555W			1400	1105	3		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F7Ø2W		1	23Ø	1105	3		ī
NGC7742	23 44 15.7	_	WFC	IMAGE	ALL	F7Ø2W			1400	1105	3		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F785LP		1	3Ø	1105	3		ī
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F785LP		1	23Ø	11Ø5	3		ĩ
NGC7742	23 44 15.7		WFC	IMAGE	ALL	F785LP		1	1400	1105	3		ī
SX-PHE	23 46 31.8	-41 34 12	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	7200	1103	1		1
QS02345+ØØ7B	23 48 19.2	Ø 57 17* I	HSP/POL	PEAKUP	6.Ø	F16ØLP		1	6Ø	1Ø96	1	ACQ	4
QS02345+ØØ7B	23 48 19.2			PEAKUP	10.0	F14ØLP		1	6Ø	1Ø98	1	ACQ	1
QS02345+ØØ7B	23 48 19.2	Ø 57 17* I	HSP/POL	STAR-SKY	POLØ	F277M		1	800	1Ø96	1	•	3
QS02345+ØØ7B	23 48 19.2	Ø 57 17* I	HSP/POL	STAR-SKY	POLØ	F277M		1	1600	1Ø96	1		1
QS02345+ØØ7B	23 48 19.2	Ø 57 17 <b>*</b> 1	HSP/POL	STAR-SKY	POL45	F277M		1	8ØØ	1Ø96	1		3
QS02345+ØØ7B	23 48 19.2	2 Ø 57 17 <b>+</b> 1	HSP/POL	STAR-SKY	POL9Ø	F277M		1	800	1096	1		3
QS02345+ØØ7B	23 48 19.2	2 Ø 57 17 <b>+</b> I	HSP/UV2	STAR-SKY	Ø.4-A	F284M		1	6Ø -	1Ø96	1		1
QS02345+ØØ7B	23 48 19.2	2 Ø 57 17 <b>*</b> (	HSP/UV2	STAR-SKY		F248M		1	6Ø	1Ø96	1		1
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F277M			1600	1096	1		. 1
QS02345+ØØ7B	23 48 19.2		• .	STAR-SKY		F277M		1	1600	1096	1		1
QS02345+ØØ7B	23 48 19.2			STAR-SKY	_	F551W_		1	120	1096	1		1
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F14ØLP		1	6Ø	1096	1		1
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F277M_		1	800	1096	1		3
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F14ØLP		1	120	1Ø96	1		3Ø
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F14ØLP		1	120	1096	2		26
QS02345+ØØ7B	23 48 19.2			STAR-SKY		F14ØLP		1	120	1096	3		22
QS02345+ØØ7B	23 48 19.2		HSP/POL	STAR-SKY		F277M			1600	1096	1		1
2345+007	23 48 19.4		WFC	IMAGE	ALL	F555W		1	400	1116	1		1
2345+007	23 48 19.4		WFC	IMAGE	ALL	F725LP		1	28Ø	1116	1		1
2345+ØØ7	23 48 19.4		WFC	IMAGE	ALL	F725LP			1330	1116	1		1
Q2345+Ø7	23 48 19.6		F0C/98	IMAGE	512X512	F342W			1800	1059	1		1
QS02345+ØØ7A	23 48 19.6		HSP/UV2	PEAKUP	10.0	F14ØLP		1	6Ø	1096	1	ACQ	4
QS02345+ØØ7A	23 48 19.6		HSP/VIS	PEAKUP	10.0	F16ØLP		1	60	1096	1	ACQ	1
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY		F277M		1	800	1096	1		3
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY		F277M			1600	1096	1		1
QS02345+ØØ7A	23 48 19.6	8 Ø 57 21	HSP/POL	STAR-SKY	FUL45	F277M		1	800	1096	1		3

Target	RA (2000)		Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY	POL9Ø	F277M		1	800	1ø96	1		3
QS02345+ØØ7A	23 48 19.6		HSP/UV2	STAR-SKY	Ø.4-A	F284M		1	6Ø	1096	1		1
QS02345+ØØ7 <b>A</b>	23 48 19.6		HSP/UV2	STAR-SKY	Ø.4-B	F248M		1	6Ø	1Ø96	1		1
QS02345+ØØ7A	23 48 19.6		HSP/VIS	STAR-SKY	Ø.4-A	F551W		1	6Ø	1096	1		1
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY	POL45	F277M		1	1600	1Ø98	1		1
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY	P0L9Ø	F277M		1	1600	1096	1		1
QS02345+ØØ7A	23 48 19.6		HSP/UV2	STAR-SKY	Ø.4-D	F14ØLP		1	6Ø	1Ø96	1		31
QS02345+ØØ7A	23 48 19.6		HSP/UV2	STAR-SKY	Ø.4-D	F14ØLP		1	6Ø	1Ø96	2		26
QS02345+ØØ7A	23 48 19.6		HSP/UV2	STAR-SKY		F14ØLP		1	6Ø	1Ø96	3		22
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY		F277M		1	800	1Ø96	1		3
QS02345+ØØ7A	23 48 19.6		HSP/POL	STAR-SKY		F277M		1	1600	1Ø96	1		1
HD223385	23 48 50.2		HRS	ACCUM	Ø.25	G16ØM	139Ø	1	18Ø	1152	2		2
HD223385	23 48 50.2		HRS	ACCUM	Ø.25	G16ØM	1545	1	120	1152	2		2
NGC7768	23 50 58.4		FOC/96	IMAGE	512X512	F32ØW		1	800	1057	2		1
NGC7768	23 50 58.4		F0C/96	IMAGE	512X512	F5Ø2M		1	3ØØ	1057	2		1
NGC7768	23 50 58.4		F0C/288	IMAGE	512X512	F32ØW		1	600	1Ø57	2	CON	1
NGC7768	23 50 58.4	,	FOC/48	SPEC	256X1Ø24-SLIT		4500	1 1	2000	1Ø57	2	CON	1
NGC7788	23 50 58.4		F0C/48	IMAGE	128X128-ASLIT		392Ø	1	100	1Ø57	2	ACQ C	ON 1
NGC7768-NUC	23 50 58.4		PC	IMAGE	ALL	F785LP		1	1000	1118	2		2
PKS2349-Ø1	23 51 56.1		FOS/BL	ACQ/BINA		MIRROR		1	11	1025	2	ACQ	1
PKS2349-Ø1	23 51 56.1		FOS/RD	ACQ/BINA		MIRROR		1	11	1025	2	ACQ	2
PKS2349-Ø1	23 51 56.1		FOS/RD	ACCUM	1.0	G19ØH	1980	1	600	1025	2		1
PKS2349-Ø1	23 51 56.1		FOS/RD	ACCUM	1.0	G27ØH	2753	1	600	1025	2		1
PKS2349-Ø1	23 51 56.1	- "	FOS/BL	ACCUM	1.0	G16ØL	1837	1	120	1025	2		1
2351-154	23 54 30.1		F0C/288	IMAGE	512X512	FIND F342W		1	300	1236	Ø		1
3C47Ø	23 58 36.0		WFC	IMAGE	ALL	F785LP		2	2700	1070	1		1
2359+Ø68	23 58 40.5	7 9 55 F	F0C/98	IMAGE	512X512	PRISM1	3575	1	900	1235	1		1

# 4.2 SOLAR-SYSTEM OBSERVATIONS FOR GTO PROGRAMS

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	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tot: Line	
	1-CERES	(S)		PC	IMAGE	ALL-ND	F555W		1	4	1125	1			4
3	1-CERES	<b>(</b> S)		F0C/288	IMAGE	256X256	F278M		1	600	1268	1	CON	SEL	3
- 1	10-HYGIEA	<b>(</b> S)		F0C/288	IMAGE	256X256	F346M		1	6ØØ	1268	2			2
	12-VICTORIA	(S)		PC	IMAGE	ALL-ND	F555W		1	40	1125	2			4
11		(S)		F0C/288	IMAGE	256X256	F346M		1	600	1268	2			2
	> 15-EUNOMIA	(S)		F0C/288	IMAGE	256X256	F3Ø7M		1	600	1268	2			2
	16-PSYCHE	(S)		F0C/288	IMAGE	256X256	F346M		1	600	1268	2			2
*	1620-GEOGRAPHOS	(S)		F0C/288	IMAGE	256X256	F372M		1	6ØØ	1268	2			2
	18-MELPOMENE	(S)		PC	IMAGE	ALL-ND	F555W		1	10	1125	2			4
	18-MELPOMENE	(S)		F0C/288	IMAGE	256X256	F346M		1	600	1268	2			2
2	2-PALLAS	(S)		PC -	IMAGE	ALL-ND	F555W		1	4	1125	3			4
	2-PALLAS	(S)		F0C/288	IMAGE	256X256	F3Ø7M		1	600	1268	1	CON	SEL	3
7	216-KLEOPATRA	(S)		PC	IMAGE	ALL-ND	F555W		1	5Ø	1125	2			4
	29-AMPHITRITE	(S)		PC	IMAGE	ALL-ND	F555W		1	3Ø	1125	3			4
	29-AMPHITRITE	(S)		F0C/288	IMAGE	256X256	F346M		1	600	1268	2			2
		(S)		F0C/288	IMAGE	256X256	F3Ø7M		1	600	1268	1	CON	SEL	3
	4-VESTA	(S)		PC	IMAGE	ALL-ND	F555W		1	4	1125	3			4
2	4-VESTA	(S)		F0C/288	IMAGE	256X256	F278M		1	6ØØ	1268	1	CON	SEL	3
1	51-NEMAUSA 532-HERCULINA	(S)		F0C/288	IMAGE	256X256	F346M		1	6ØØ	1268	2			2
	532-HERCULINA	(S) (S)		PC /000	IMAGE	ALL-ND	F555W		1	20	1125	1			4
	6-HEBE	(S)		F0C/288	IMAGE	256X256	F346M		1	600	1268	2			2
	624-HECTOR	(S)		PC	IMAGE	ALL-ND	F555W		1	600	1125	2			4
	7-IRIS	(S)		FOC/288 FOC/288	IMAGE IMAGE	256X256 256X256	F372M F307M		1 1	6ØØ 6ØØ	1268	2			2
	9-METIS	(S)		F0C/288	IMAGE	256X256 256X256	F346M		1	6ØØ	1268 1268	2			2
	COMET-1979X	(S)		F0C/48	IMAGE	512X512	PRISM1		_	1800	1273	2			2
	COMET-1979X	(S)		F0C/48	IMAGE	512X512 512X512	PRISM2			2400	1273	2			1 1
	COMET-1979X	(s)		F0C/96	IMAGE	512X512 512X512	F231M	232Ø		2400 3000	1273	2			1
	COMET-1979X	(S)		F0C/96	IMAGE	512X512 512X512	F17ØM	176Ø		36ØØ	1273	2			1
	COMET-1979X	(S)		F0C/96	IMAGE	512X512	F278M	278Ø		1800	1273	2			1
	COMET-1979X	(S)		F0C/96	IMAGE	512X512	F3Ø7M	3080		1200	1273	2			i
	COMET-1979X	(s)		F0C/96	IMAGE	512X512	F19ØM	1975		3299	1273	2			ī
	COMET-HALLEY	(s)		WFC	IMAGE	ALL	F122M	20.0		1800	1291	ī			ī
	EUROPA-EAST	(s)		F0C/288	IMAGE	512X512	F22ØW		ī	900	1285	2			î
	EUROPA-EAST	(s)		FOS/BL	ACCUM	4.3	G27ØH	2766	5	120	1285	2			î
	EUROPA-WEST	(s)		F0C/288	IMAGE	512X512	F22ØW	-,	1	900	1285	2			ī
	EUROPA-WEST	(sí		FOS/BL	ACCUM	4.3	G27ØH	2766	5	120	1285	2			ī
	GANYMEDE-CALIB	(s)		HRS	ACCUM	2.0	G2ØØM	2116		1200	1285	ø			ī
	GANYMEDE-CALIB	(s)		FOS/BL	ACCUM	4.3	G27ØH	2766	5	120	1285	Ø			ī
	HALLEY	(S)		HSP/PHOT	1APER	Ø.4	F4ØØLP		1	2400	1085	1			6
	10	(s)		PC '	IMAGE	ALL	F284W		1	60	1128	Ø			7
	10	(s)		F0C/96	IMAGE	512X512	F253M		1	6ØØ	1269	Ø			1
	IO	(s)		F0C/96	IMAGE	512X1Ø24	F12ØM		1	600	1269	Ø			ī
	IO	(s)		HRS	ACCUM	2.0	G14ØL	1216		1200	1204	2			ī
	<b>IO</b>	(S)		HRS	ACCUM	2.0	G16ØM	1216		1200	1204	2			ī
	10	(S)		F0C/96	IMAGE	512X512	F14ØW PRISM1		1	600	1269	ø			ī
	10	<b>(</b> S)		F0C/96	IMAGE	512X512	F165W PRISM1		1	600	1269	ø			ī
	IO-A	(S)		HRS	IMAGE	2.0	MIRROR-N2		ī	180	1206	2	CON		ī
	IO-A	(S)		HRS	ACCUM	2.0	G14ØL	183Ø	2	900	1206	1			ī
	<b>I</b> 0-A	(s)		HRS	ACCUM	2.0	G14ØL	1375	2	900	1206	1			ī
	I0-B	(s)		HRS	ACCUM	2.0	G14ØL	183Ø		1800	1206	2	CON		ī
	IO-EAST	(S)		F0C/288	IMAGE	512X512	F22ØW		1	900	1285	Ø	•		1
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Solar System Targets

	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	Νο. Exp.	Exp. Time	1D	Cy.	Spec. Req.	Total Lines
	IO-EAST	<b>(</b> \$)		HRS	ACCUM	2.0	G2ØØM	2116	3	1200	1285	Ø		1
	IO-EAST	(s)		FOS/BL	ACCUM	4.3	G27ØH	2766	5	240	1285	Ø		1
	IO-WEST	(S)		F0C/288	IMAGE	512X <b>5</b> 12	F22ØW		1	900	1285	1		1
	IO-WEST	(S)		HRS	ACCUM	2.Ø	G2ØØM	2116	3	1200	1205	1		1
	IO-WEST	(S)		HRS	ACCUM	2.Ø	G2ØØM	2116	3	1200	1285	1		1
	IO-WEST	(S)		FOS/BL	ACCUM	4.3	G27ØH	2766	5	240	1285	1		1
	JOVIAN-RING-POS1	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	1	1200	1080	2		6
	JOVIAN-RING-POS2	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	1	1200	1080	2		6
	JUPITER	(S)		PC	IMAGE	ALL	F336W		1	10	1126	Ø		14
	JUPITER	(S)		PC	IMAGE	ALL	F439W		1	Ø	1126	Ø		14
	JUPITER	(S)		PC	IMAGE	ALL	F889N		1	4	1126	Ø		14
	JUPITER	(S)		WFC	IMAGE	W1	F194W		1	6Ø	1126	1		1
	JUPITER	(S)		WFC	IMAGE	W1	F23ØW		1	6Ø	1126	1		1
	JUPITER	(s)		PC	IMAGE	ALL	F718M		1	Ø	1126	Ø		14
	JUPITER-A	(S)		HRS	ACCUM	2.0	G14ØL	1600	1	1200	1202	1		1
	JUPITER-A	(S)		HRS	ACCUM	2.0	G16ØM	16Ø8	1	900	1202	1		1
	JUPITER-A	(s)		HRS	ACCUM	2.0	G14ØL	1292	1	1200	1202	1		1
	JUPITER-ACQ1	(s)		PC	IMAGE	ALL	F439W		1	4	1288	1	ACQ	1
	JUPITER-ACQ2	(s)		PC	IMAGE	ALL	F569W		1	1	1288	1		2
	JUPITER-ACQ2	(S)		PC	IMAGE	ALL	F569W		1	. 2	1288	1	ACQ	1,
	JUPITER-AURORAN1	(s)		F0C/96	IMAGE	512X1Ø24	F12ØM PRISM1		2	600	1269	1		2
	JUPITER-AURORAN1	(s)		F0C/96	IMAGE	512X1Ø24	F140W PRISM1		2	600	1269	1		1
	JUPITER-AURORAN1	(s) (s)		F0C/96	IMAGE	512X1Ø24	F165W PRISM1		2	600	1269	1		1
	JUPITER-AURORAN1	(S)		F0C/96	IMAGE	512X1Ø24	F120M PRISM1		2	600	1269	2		2
	JUPITER-AURORAN1	(s)		F0C/96	IMAGE	512X1Ø24	F140W PRISM1		2	600	1269	2		1
ام الحوال	JUPITER-AURORAN1	(s)		F0C/96	IMAGE	512X1Ø24	F165W PRISM1		2	600	1269	2	;••	1
ê ;	JUPITER-AURORAN2	(s)		F0C/96	IMAGE	512X1Ø24	F12ØM PRISM1		2	600	1269	1		2
ú	JUPITER-AURORAN2	(s)		F0C/96	IMAGE	512X1024	F14ØW PRISM1		2	600	1269	1		1
2,2	JUPITER-AURORAN2	(s)		F0C/96	IMAGE	512X1Ø24	F165W PRISM1		2	600	1269	1		1
	JUPITER-AURORAN2	(s)		F0C/96	IMAGE IMAGE	512X1Ø24	F12ØM PRISM1		2	600	1269	2		2
fe.	JUPITER-AURORAN2	(s)		F0C/96	IMAGE	512X1Ø24 512X1Ø24	F140W PRISM1 F165W PRISM1		2 2	600	1269 1269	2		1
	JUPITER-AURORAN2	(s) (s)		FOC/96 FOC/96	IMAGE	512X1024 512X1024	F120M PRISM1		2	600	1269	2		1
	JUPITER-AURORAS	(s) (s)		F0C/96	IMAGE	512X1024 512X1024	F140W PRISM1		2	600 600	1269	1		2 1
7	JUPITER-AURORAS JUPITER-AURORAS	(S)		F0C/96	IMAGE	512X1024 512X1024	F165W PRISM1		2	600	1269	1		1
4	JUPITER-AURORAS	(s)		F0C/96	IMAGE	512X1024 512X1024	F12ØM PRISM1		2	600	1269	2		2
	JUPITER-AURORAS	(S)		F0C/96	IMAGE	512X1024	F140W PRISM1		2	600	1269	2		1
	JUPITER-AURORAS	(3)		F0C/96	IMAGE	512X1024	F165W PRISM1		2	600	1269	2		1
	JUPITER-B	(S) (S)		HRS	ACCUM	2.0	G14ØL	1600	1	1200	1203	1		1
	JUPITER-B	(S)		HRS	ACCUM	2.0	G14ØL	1292	î	1200	1202	ī		i
	JUPITER-CENTER	(S)		HRS	ACCUM	2.0	G14ØL	1375	1	600	1206	ī	CAL	î
	JUPITER-CENTER	(S)		HRS	ACCUM	2.0	G2ØØM	2116	2	900	1205	ī	CAL	i
il Ser	JUPITER-CENTER	(S)		HRS	ACCUM	2.0	G16ØM	1208	1	1200	1203	2		i
	JUPITER-EARLY	(S)		F0C/96	IMAGE	512X1Ø24	F120M F140W	1200	i	900	1203	2	ACQ	ī
	JUPITER-GRS1	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1	<b>u</b>	ī
	JUPITER-GRS1	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	i	30	1288	ī		i
	JUPITER-GRS2	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	900	1288	ī		ī
	JUPITER-GRS2	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	ī	30	1288	ī		ī
	JUPITER-HOT-AURORA	(s)		HRS	ACCUM	2.0	G16ØM		î	1200	1203	2		ī
	JUPITER-HOT-AURORA	(S)		HRS	ACCUM	Ø.25	G16ØM		1ø	1200	1203	2		ī
	JUPITER-HOT-AURORA	(S)		FDC/96	IMAGE	512X1Ø24	F120M F140W		1	900	1203	2		ī
	JUPITER-LIMB	(s)		F0C/96	IMAGE	512X512	F120M PRISM1		2	1200	1269	ī		ī
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Сy	Spec. Req.	Total Lines
JUPITER-NEB1	(S)		F0S/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1		1
JUPITER-NEB1	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	ī	30	1288	ī		i
JUPITER-NEB2	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	900	1288	i		i
JUPITER-NEB2	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	î	30	1288	ī		i
JUPITER-NEB3	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	î	900	1288	i		
JUPITER-NEB3	(S)			ACCUM	2.Ø-BAR	G27ØH	2766	i	3Ø	1288	_		1
JUPITER-NORTH	(S)		FOS/BL			F120M F140W	2700	2	1200	1269	1		1
JUPITER-NORTHPOLE	(S)		F0C/96	IMAGE	512X1Ø24						1		1
			F0C/96	IMAGE	512X1Ø24	F152M F175W	1000	1	600	1286	1		2
JUPITER-NPØ	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1		1
JUPITER-NPØ	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	30	1288	1		1
JUPITER-NP18Ø	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1		1
JUPITER-NP18Ø	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	3Ø	1288	1		1
JUPITER-NPR	(S)		HRS	ACCUM	2.0	G14ØL	1600	1	600	1202	1		1
JUPITER-NPR	(S)		HRS	ACCUM	2.0	G14ØL	1292	1	600	1202	1		1
JUPITER-NPR	(s)		HRS	ACCUM	2.0	G16ØM	16Ø8	3	1200	1202	1		1
JUPITER-RING	(S)		PC	IMAGE	ALL	F889N		1	60	1127	2		4
JUPITER-SOUTHPOLE	(S)		F0C/96	IMAGE	512X1Ø24	F152M F175W		1	600	1286	2		4
JUPITER-SPØ	(S)		FOS/BL	ACCUM:	2.Ø-BAR	G19ØH	1900	1	900	1288	2		1
JUPITER-SPØ	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	3Ø	1288	2		ī
JUPITER-SP18Ø	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	900	1288	2		ī
JUPITER-SP18Ø	(s)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	ī	3ø	1288	2		ī
JUPITER-STZ1	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	900	1288	1		ī
JUPITER-STZ1	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	î	3Ø	1288	ī		i
JUPITER-STZ2	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	900	1288	1		i
JUPITER-STZ2	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	30	1288	1		
JUPITER-STZ3	(S)				2.Ø-BAR	G19ØH	1900		9ØØ		_		1
JUPITER-STZ3	(s) (s)		FOS/BL	ACCUM			2766	1 1		1288	1		1
MERCURY			FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2100		3Ø	1288	1		1
MERCURY	(S)		PC	IMAGE	ALL	F889N		1	Ø	1123	3		1
	(S)		PC	IMAGE	ALL	F336W		1	1	1123	3		1
MERCURY	(S)		PC	IMAGE	ALL	F517N		1	Ø	1123	3		1
MERCURY	(s)		PC	IMAGE	ALL	F1Ø42M		1	Ø	1123	3		1
MP11Ø8	(s)		FGS	POS	2	F583W		1	300	1014	1		2
MP1276	(s)		FGS	POS	2	F583W		1	300	1014	1	CON	4
MP131Ø	. (s)		FGS	POS	2	F583W		1	300	1Ø14	1		2
MP132Ø	(S)		FGS	POS	2	F583W		1	3ØØ	1014	1	CON	2
MP1626	(S)		FGS	POS	2	F583W		1	300	1014	1		2
MP1626	(S)		FGS	POS	2	F583W		1	300	1014	1	CON	4
MP2000	(S)		FGS	POS	2	F583W		1	300	1014	1		6
MP2000	(s)		FGS	POS	2	F583W		1	3ØØ	1014	1	CON	4
MP391	(s)		FGS	POS	2	F583W		1	300	1014	1		2
MP391	(s)		FGS	POS	2	F583W		1	3ØØ	1014	1	CON	2
MP434	(s)		FGS	POS	2	F583W		1	3ØØ	1014	1		2
MP619	(s)		FGS	POS	2	F583W		ī	300	1014	ī		4
MP619	(s)		FGS	POS	2	F583W		î	300	1014	ī	CON	2
MP652	(S)		FGS	POS	2	F583W		î	300	1014	1	COIT	4
MP692	(S)		FGS	POS	2	F583W		i	300	1014	1		
MP965	(S) (S)		FGS	POS	2	F583W		1	300	1014	1	CON	2
NEPTUNE	(S)			IMAGE	ALL	F569W		1			_	CON	
NEPTUNE	(S)		PC					_	2	1134	1		5
	(3)		PC	IMAGE	ALL	F675W		1	2	1134	1		5
NEPTUNE	(s)		PC	IMAGE	ALL	F439W		1	12	1134	1		5
NEPTUNE	(s)		PC	IMAGE	ALL	F889N		1	120	1134	1		5
NEPTUNE	(s)		PC	IMAGE	ALL	F889N		3	120	1134	Ø		1

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Target	RA (2000)	Dec (2000)	Inst. O	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota Line	
NEPTUNE	<b>(</b> \$)		WFC	IMAGE	ALL	F889N		1	3ØØ	1134	1			1
NEPTUNE	(s)		WFC	IMAGE	ALL	F6Ø6W		i	2	1135	3			ē
NEPTUNE	(s)		WFC	IMAGE	ALL	F194W		i	2400	1134	1			1
NEPTUNE	(s)		WFC	IMAGE	ALL				1800	1134	i			i
	(S)		WFC	IMAGE	ALL	F23ØW F284W		1	180	1134	1			1
NEPTUNE			WFC					1			_			
NEPTUNE	(S)			IMAGE	ALL	F6Ø6W		1	26Ø	1135	3			6
NEPTUNE	(S)		HRS	ACCUM	2.0	G14ØL	1657	3	1200	1202	1			1
NEPTUNE	(S)		HRS	ACCUM	2.0	G14ØL	1657	3	1200	1290	1			1
NEPTUNE	(S)		HRS	ACCUM	2.0	G14ØL	1292	6	1200	1202	2			1
NEPTUNE	(S)		F0C/96	IMAGE	512X512	F12ØM PRISM1		2	600	1269	2			1
NEPTUNE	(S)		F0C/98	IMAGE	512X512	F14ØW PRISM1		2	600	1269	2			1
NEPTUNE	(S)		F0C/96	IMAGE	512X512	F165W PRISM1		2	600	1269	2			1
NEPTUNE-CENTER	(S)		HSP/PMT/V IS	' SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø86	1			4
NEPTUNE-CENTER	<b>(</b> \$)		HSP/PMT/V IS	SPLIT	1.0	F750W/F320N		1	18Ø	1086	1			2
PLUTO	(S)		F0C/288	IMAGE	512X512	F342W		1	1080	1270	Ø			1
PLUTO	(s)		F0C/288	IMAGE	512X512	F275W		ī	3600	1270	2			3
PLUTO	(s)		F0C/288	IMAGE	512X512	F342W		ī	1080	1270	2			ĭ
PLUTO-AND-CHARON	(s)		PC PC	IMAGE	P6	F569W		i	1000	1136	1			8
PLUTO-AND-CHARON	(s)		PC	IMAGE	P6	F569W		1	200	1136	i			0
PLUTO-AND-CHARON	(s)		PC	IMAGE	P6	F791W		i	10	1136	i			4
	(S)		PC	IMAGE	P6		•	1			_			7
PLUTO-AND-CHARON	(3)					F336W		-	35Ø	1136	1			4
PLUTO-CENTER	(S)		HSP/PMT/V IS	SELLI	1.0	F75ØW/F32ØN	. *	1	6Ø	1Ø86	1			4
PLUTO-CENTER	<b>(</b> S)		HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	180	1Ø86	1			2
PLUTO-CHARON1	(S)		PC	IMAGE	ANY	G8ØØL	8000	1	1800	1292	1			1
PLUTO-CHARON2	(s)		PC	IMAGE	ANY	G8ØØL	8000	1	1800	1292	1			1
S-CLOUD	(s)		HRS	ACCUM	2.0	G14ØL	1375	3	1200	1206	2	CON		ī
SATURN	(s)		PC	IMAGE	ALL	F336W	20.0	ĭ	5Ø	1129	ī			L <b>4</b>
SATURN	(s)		PC	IMAGE	ALL	F439W		ī	2	1129	ī			14
SATURN	(s)		PČ	IMAGE	ALL	F718M		î	ī	1129	î			14
SATURN	(S)		PC	IMAGE	ALL	F889N		ī	5ø	1130	ø			2
SATURN	(S)		PC	IMAGE	ANY	F569W		i	2	1288	-	ACQ		1
	(3)		PC	IMAGE	ALL	F889N		_			1	ACQ		_
SATURN	(s)							1	14	1129	1			14
SATURN	(S)		PC	IMAGE	ANY	F368M		1	15Ø	1288	1			1
SATURN	(S)		WFC	IMAGE	ALL	F6Ø6W		1	1	1131	1			6
SATURN	(s)		WEC	IMAGE	ALL	F6Ø6W		1	20	1131	1			6
SATURN+4Ø	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1			1
SATURN+40	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	6Ø	1288	1			1
SATURN-ARING	<b>(</b> \$)		HRS	ACCUM	2.0	G14ØL	1657	1	1700	1288	2			1
SATURN-ARING	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	100	1288	2			1
SATURN-AURORA	(s)		F0C/96	IMAGE	512X1Ø24	F12ØM PRISM1		2	600	1269	2			4
SATURN-AURORA	(s)		F0C/96	IMAGE	512X1Ø24	F14ØW PRISM1		2	600	1269	2			2
SATURN-AURORA	(s)		F0C/96	IMAGE	512X1Ø24	F165W PRISM1		2	600	1269	2			2
SATURN-BRING	(s)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HRS	ACCUM	2.0	G14ØL	1657	1	1700	1288	2			1
SATURN-BRING	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	ī	100	1288	2			ī
SATURN-CENTER	(s)		HRS	ACCUM	2.0	G14ØL	1292	î	1200	1202	1			1
SATURN-CENTER	(S)		HRS	ACCUM	2.0	G16ØM	1208	1	2400	1202	1			i
SATURN-CENTER	(s)		HSP/PMT/V		1.0		1780	1	90	1081	ø	CON S	EI	3
SATORIN-CENTER	(3)		IS	JI LI I	1.0	F75ØW/F32ØN		1	310	1501	W	CONS		3

#### Solar System Targets

Target	RA (2000)	Dec (2000)	Inst. 0 Config.	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
SATURN-CENTER	(S)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	132	1081	Ø	CON S	EL 4
SATURN-CENTER	<b>(</b> \$)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	138	1Ø81	Ø	CON S	EL 4
SATURN-CENTER	<b>(S)</b>		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	15Ø	1Ø81	Ø	CON S	EL 4
SATURN-CENTER	(S)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	276	1Ø81	Ø	CON S	EL 2
SATURN-CENTER	(S)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	396	1Ø81	Ø	CON S	EL 2
SATURN-CENTER	(S)		HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	378	1Ø81	Ø	CON S	EL 2
SATURN-CENTER	(S)		HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	444	1Ø81	Ø	CON S	EL 2
SATURN-CENTER	(S)		HSP/PMT/V IS		1.0	F75ØW/F32ØN		1	15Ø	1Ø81			12
SATURN-CENTER	(S)		HSP/PMT/V IS		1.0	F75ØW/F32ØN		1	45Ø	1Ø81			6
SATURN-CENTER	(S)		HSP/PMT/V IS		1.0	F75ØW/F32ØN		1	125	1Ø81	Ø	CON S	
SATURN-CENTER	(S)		HSP/PMT/V IS		1.0	F75ØW/F32ØN	1000	1		1081	Ø	CON S	
SATURN-EQ1	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	9ØØ	1288	1		1
SATURN-EQ1	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	6Ø	1288	1		1
SATURN-EQ2	(s)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	9ØØ	1288	1		1
SATURN-NORTH	(S)		F0C/96	IMAGE	512X1Ø24	F152M F175W			57ØØ	1286	1		1
SATURN-NPOLE	(S)		FOS/BL	ACCUM	2.Ø-BAR	G19ØH	1900	1	900	1288	1		1
SATURN-NPOLE	(S)		FOS/BL	ACCUM	2.Ø-BAR	G27ØH	2766	1	6Ø	1288	. 1		1
SATURN-NPR	(S)		HRS	ACCUM	2.0	G14ØL	1600		1200	1202	2		1
SATURN-NPR	(S)		HRS	ACCUM	2.0	G14ØL	1292		1200	1202	1		1
SATURN-NPR	(S)		HRS	ACCUM	2.0	G16ØM	12Ø8		2400	1202	1		1
SATURN-NPR	(S)		HRS	ACCUM	2.0	G16ØM	16Ø8	_	1200	1202	2		1
SATURN-NPR	(S)		F0C/96	IMAGE	512X1Ø24	F120M F140W			1200	1202	1		1
SATURN-NUV	(S)		F0C/96	IMAGE	512X1Ø24	F21ØM F22ØW		1	600	1269	1		1
SATURN-RINGS	(S)		F0C/96	IMAGE	512X1Ø24	F12ØM			1200	1269	2		1
SATURN-RINGS	(S)		F0C/96	IMAGE	512X1Ø24	F152M			1200	1269	2		1
SATURNB-RING	(S)		PC	IMAGE	ALL	F336W		1	2Ø	113Ø	2		4
SATURNB-RING	(S)		PC	IMAGE	ALL	F439W		1	2	1130	2		4
SATURNB-RING	(S)		PC	IMAGE	ALL	F569W		1	Ø	1130	2		4
SATURNB-RING	(S)		PC	IMAGE	ALL	F791W	0000	1	Ø	1130	2		4
SATURNIAN-RING-POS1	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	3	180	1080	2		1
SATURNIAN-RING-POS1	(S)		FOS/RD	ACCUM	Ø.3	PRISM	475Ø	3	18Ø	1080	2		1
SATURNIAN-RING-POS2	(s)		FOS/RD	ACCUM	Ø.3 Ø.3	G65ØL	6000	3	18Ø	1080	2		1
SATURNIAN-RING-POS2	(S)		FOS/RD	ACCUM	Ø.3 Ø.3	PRISM	475Ø	3	180	1080	2		1
SATURNIAN-RING-POS3	(S)		FOS/RD	ACCUM ACCUM	Ø.3 Ø.3	G65ØL Prism	6000	3	180	1080	2		1
SATURNIAN-RING-POSS	(S)		FOS/RD FOS/RD	ACCUM	Ø.3 Ø.3	G65ØL	475Ø 6ØØØ	3 3	180	1080	2		1
SATURNIAN-RING-POS4	(S) (S)		FOS/RD	ACCUM	Ø.3	PRISM		3 3	18Ø	1080	2		1
SATURNIAN-RING-POS4	(S)		FOS/RD	ACCUM	Ø.3 Ø.3	G65ØL	475Ø 6ØØØ	ა 3	18Ø	1080	2		1 1
SATURNIAN-RING-POSS	(S)		FOS/RD	ACCUM	Ø.3	PRISM	475Ø	3 3	180	1080 1080	2		1
SATURNIAN-RING-POSS	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	3	180		2		
SATURNIAN-RING-POS6 SATURNIAN-RING-POS6	(S)		FOS/RD	ACCUM	Ø.3	PRISM	475Ø	3	18Ø 18Ø	1080 1080	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
STAR-IMAGE-JUPITER	<b>(</b> \$)		HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	60	1Ø82	1	8
STAR-IMAGE-JUPITER	<b>(</b> \$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	2	2
STAR-IMAGE-JUPITER	(\$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	3	4
STAR-IMAGE-JUPITER	(\$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1ø82	4	2
STAR-IMAGE-JUPITER	(\$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6ø	1Ø83	1	2
STAR-IMAGE-JUPITER	(\$)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6ø	1Ø83	2	4
STAR-IMAGE-JUPITER	<b>(</b> \$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1083	3	2
STAR-IMAGE-JUPITER	(\$)		IS HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1	4
STAR-IMAGE-JUPITER	(s)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1082	2	1
STAR-IMAGE-JUPITER	(S)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	3	2
STAR-IMAGE-JUPITER	(S)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	4	1
STAR-IMAGE-JUPITER	<b>(</b> \$)		IS HSP/PMT, IS	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1083	1	1
STAR-IMAGE-JUPITER	<b>(</b> S)		HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1083	2	2
STAR-IMAGE-JUPITER	<b>(</b> S)		HSP/PMT)	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	1
STAR-IMAGE-MARS	<b>(</b> S)		HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1083	1	2
STAR-IMAGE-MARS	(\$)		HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	2	4
STAR-IMAGE-MARS	<b>(</b> S)		HSP/PMT/	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	3	2
STAR-IMAGE-MARS	(S)		HSP/PMT,	/V SPLIT	1.0	F75ØW/F32ØN		1	1500	1083	1	1
STAR-IMAGE-MARS	<b>(</b> S)		HSP/PMT,	/V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2	2
STAR-IMAGE-MARS	<b>(</b> \$)		HSP/PMT,	/V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	1
STAR-IMAGE-NEPTUNE	(S)		HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1032	1	2
STAR-IMAGE-NEPTUNE	<b>(</b> \$)		HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1082	2	4
STAR-IMAGE-NEPTUNE	<b>(</b> \$)		HSP/PMT	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1083	1	2
STAR-IMAGE-NEPTUNE	<b>(</b> \$)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	2	. 4
STAR-IMAGE-NEPTUNE	<b>(</b> \$)		IS HSP/PMT,	V SPLIT	1.0	F75ØW/F32ØN		1	6ø	1Ø83	3	2
STAR-IMAGE-NEPTUNE	(S)		IS HSP/PMT, IS	V SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1	1

Solar System Targets

Target	RA (2000)	Dec (2000)	Inst. ( Config.	)perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Rec	
STAR-IMAGE-NEPTUNE	(S)		HSP/PMT/	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	2	2
STAR-IMAGE-NEPTUNE	<b>(</b> S)		IS HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1	1
STAR-IMAGE-NEPTUNE	<b>(</b> S)		IS HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2	. 2
STAR-IMAGE-NEPTUNE	<b>(</b> \$)		IS HSP/PMT/\ IS	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1083	3	1
STAR-IMAGE-SATURN	<b>(</b> S)		HSP/PMT/\ IS	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	1	2
STAR-IMAGE-SATURN	<b>(</b> S)		HSP/PMT/\ IS	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	2	2
STAR-IMAGE-SATURN	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	1	2
STAR-IMAGE-SATURN	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	2	4
STAR-IMAGE-SATURN	<b>(</b> \$)	J	HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	3	2
STAR-IMAGE-SATURN	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1	1
STAR-IMAGE-SATURN	(\$)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	2	1
STAR-IMAGE-SATURN	<b>(</b> \$)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1	1
STAR-IMAGE-SATURN	<b>(</b> \$)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	2	2
STAR-IMAGE-SATURN	<b>(</b> \$)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	1
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	1	4
STAR-IMAGE-URANUS	<b>(</b> \$)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø82	2	2
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	1	2
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	2	4
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	6Ø	1Ø83	3	2
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	1	2
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø82	2	1
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	1	1
STAR-IMAGE-URANUS	(\$)		HSP/PMT/\	/ SPLIT	1.0	F75Ø\/F32ØN		1	1500	1083	2	2
STAR-IMAGE-URANUS	<b>(</b> S)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	1500	1Ø83	3	1
TITAN TITAN TITAN TITAN	(S) (S) (S) (S)		PC PC FOC/96 FOC/96	IMAGE IMAGE IMAGE IMAGE	ANY ANY 512X512 512X512	F889N F85ØLP F12ØM F22ØW		1 1 1	66Ø 6Ø 6ØØ 1Ø8Ø	1289 1289 1269 1289	1 1 ACQ 1 1	1 1 1

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Tota I
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
TITAN	(S)		HRS	ACCUM	2.0	G14ØL	1292		1200	1202	3		1
TITAN	(S)		FOS/BL	ACCUM	4.3	G19ØH	1900	1	7200	1289	1		1
TITAN	(S)		FOS/BL	ACCUM	4.3	G27ØH	2769		1800	1289	1		1
TITAN	(S)		F0C/96	IMAGE	512X512	F14ØW PRISM1		1	900	1269	1		1
URANIAN-RING-POS1	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000		1200	1080	2		5
URANIAN-RING-POS2	(S)		FOS/RD	ACCUM	Ø.3	G65ØL	6000		1200	1080	2		5
URANUS	(S)		PC	IMAGE	ANY	F889N		1	900	1293	2	ACQ	1
URANUS	(S)		PC	IMAGE	ALL	F889N		3	6Ø	1132	Ø		1
URANUS	(S)		PC	IMAGE	ANY	F85ØLP		1	3Ø	1293	2		1
URANUS	(S)		PC	IMAGE	ANY	F555W		1	15	1290	.2	ACQ	1
URANUS	(s)		PC	IMAGE	ANY	F487N		1	24Ø	1293	2	•	1
URANUS	(s)		PC	IMAGE	ANY	F555W	•	1	15	1293	2		1
URANUS	(s)		WFC	IMAGE	ALL	F23ØW		1	900	1132	1		2
URANUS	(s)		WFC	IMAGE	ALL	F284W		1	6Ø	1132	1		2
URANUS	(s)		WFC	IMAGE	ALL	F889N		1	300	1132	1		2
URANUS	(s)		WFC	IMAGE	ALL	F6Ø6W		1	2	1133	2		6
URANUS	(s)		WFC	IMAGE	ALL	F194W		1	1800	1132	1		2
URANUS	ζŠί		WFC	IMAGE	ALL	F6Ø6W		1	120	1133	2		6
URANUS	(s) (s)		PC	IMAGE	P6	F439W	4353	1	20	1202	2	ACQ	ĭ
URANUS	(š)		WFC	IMAGE	W1	F439W	4353	1	20	1202	ø	ACQ	ī
URANUS	(š)		HRS	ACCUM	2.0	G14ØL	1600		1200	1202	ø		ī
URANUS	(s)		HRS	ACCUM	2.0	G14ØL	1657	8	900	1290	2		ī
URANUS	(s)		F0C/288	IMAGE	512X512	F22ØW		1	9ØØ	1290	2		ī
URANUS	(s)		HRS	ACCUM	2.0	G16ØM	16Ø8	3	1200	1202	ø		ī
URANUS	(s)		HRS	ACCUM	2.0	G14ØL	1292		1200	1202	2		ī
URANUS	(s)		HRS	ACCUM	2.0	G16ØM	1208		1200	1202	2		ī
URANUS	(s)		FOS/BL	ACCUM	4.3	G19ØH	1900	5	36Ø	1290	2		ī
URANUS	(s)		F0C/96	IMAGE	512X512	F21ØM F22ØW		i	600	1269	ø		ī
URANUS	(s)		F0C/96	IMAGE	512X512	F12ØM PRISM1		1	600	1269	ø		ī
URANUS	(s)		F0C/96	IMAGE	512X512	F14ØW PRISM1		1	600	1269	ø		ī
URANUS	(s)		F0C/96	IMAGE	512X512	F165W PRISM1		1	600	1269	ø		ī
URANUS-FEATURE1	(s)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	ī	240	1293	2		ī
URANUS-FEATURE2	(s)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	ī	240	1293	2		ī
URANUS-FEATURE3	(s)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	ī	240	1293	2		ī
URANUS-FEATURE4	(s)		FOS/RD	ACCUM	Ø.3	G65ØL	6000	ī	240	1293	2		i
VENUS	(S)		PC	IMAGE	ALL	F194W	0000	ī	60	1124	1		1
VENUS	(S)		PC	IMAGE	ALL	F23ØW		ī	40	1124	1		1
VENUS	(S)		PC	IMAGE	ALL	F284W		ī	4	1124	1		1
VENUS	· (S)		PC	IMAGE	ALL	F336W		1	a	1124	1		1
VENUS	(3)		PC	IMAGE	ALL	F368M		i	Ø	1124	1		- 1
AEIAO2	(S)		FC	TWVGC	ALL	1 300m		_	Ð	1124	T		1

# 4.3 GENERIC-TARGET OBSERVATIONS FOR GTO PROGRAMS

	Target	RA (2000)	Dec (2000)	Inst. C	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID			Total Lines	
	ASTER-OCC	(G)		HSP/ACQ	1APER	10	CLEAR		1	3ØØ	1079	2	ACQ	1	
<u>`</u>	ASTER-OCC	(G)		HSP/ACQ	1APER	10	CLEAR		1	3ØØ	1084	2	ACQ	3	
5	ASTER-OCC	(G)		F0S/RD	RAPID	Ø.5	TBD-PII		1	300	1079	2	•	2	
7	ASTER-OCC	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1079	2		2	
į	ASTER-OCC	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1084	2		6	
ļ	CN-TBD	(G)		F0C/288	IMAGE	512X512	F5Ø1N		1	1200	1253	2		ĭ	
	COMET	(G)		WFC	IMAGE	ALL	F128LP		1	300	1184	1	ACQ	ī	
	COMET	(G)		F0S/BL	ACCUM	4.3	G19ØH		1	18ØØ	1184	ī		ī	
	COMET	(G)		HRS	ACCUM	2.0	ECH-B	282Ø	1	60	1184	1	CON	ī	
	COMET	(G)		HRS	ACCUM	2.0	G14ØL	1300	1	900	1184	1	CON	ī	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	289Ø	1	900	1184	1	CON	ī	
	COMET	(Ġ)		HRS	ACCUM	2.0	G14ØL	155Ø	1	36ØØ	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G14ØL	1800		36ØØ	1184	1	CON	ī	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	2190		18ØØ	1184	1	CON	ī	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	2820	1	120	1184	1	CON	ī	
<b>3</b> 2	COMET	(G)		HRS	ACCUM	2.0	ECH-B	3Ø85	1	6Ø	1184	1	CON	ī	
	COMET	(Ġ)		HRS	ACCUM	2.0	G27ØM	3Ø85	1	6Ø	1184	1	CON	1	
	COMET	(G)		FOS/BL	ACQ/PEAK	4.3	MIRROR		1	3ØØ	1184	1	ACQ	1	
	COMET	(Ġ)		HRS	ACCUM	2.0	G27ØM	2576	1	3ØØ	1184	1	CON	1	
	COMET	(Ġ)		HRS	ACCUM	2.0	ECH-A	1216	1	78Ø	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	ECH-B	18Ø7	1	2400	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	ECH-B	3142	1	<b>12</b> Ø	1184	1	CON	1	
	COMET	(Ġ)		HRS	ACCUM	2.0	G14ØM	1216	1	1200	1184	1	CON	1	
	COMET	(Ġ)		HRS	ACCUM	2.Ø	G14ØM	13Ø2	1	2400	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.Ø	G16ØM	1561	1	4440	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G16ØM	1657	1	1200	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G2ØØM	1816	1	36ØØ	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	2321	1	1500	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	2663	1	2700	1184	1	CON	1	
	COMET	(G)		HRS	ACCUM	2.0	G27ØM	3142	1	240	1184	1	CON	1	
	COMET	(G)		FOS/BL	ACCUM	4.3	G13ØH	1379	1	900	1184	1		1	
	COMET	(G)		FOS/BL	ACCUM	4.3	G27ØH	2766	1	9Ø	1184	1		1	
	COMET-NUC	(G)		HSP/PHOT	1APER	Ø.4	F4ØØLP			2400	1085	1		6	
	COMET-OCC	(G)		HSP/ACQ	1APER	10	CLEAR		1	300	1079	2	ACQ	1	
	COMET-OCC	(G)		FOS/RD	RAPID	Ø.5	TBD-PII		1	300	1079	2		2	
	COMET-OCC	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1Ø79	2		2	
	COMET-X	(G)		PC	IMAGE	ALL	F439W		1	10	1137	1		2	
	COMET-X	(G)		PC	IMAGE	ALL	F439W		1	100	1137	1		1	
	COMET-X	(G)		PC	IMAGE	ALL	F517N		1	1Ø	1137	1		2	
	COMET-X	(G)		PC	IMAGE	ALL	F517N		1	100	1137	1		1	
	COMET-X	(G)		PC	IMAGE	ALL	F555W		1	1	1137	1		2	
	COMET-X	(G)		PC	IMAGE	ALL	F555W		1	1Ø	1137	1		1	
	COMET-X	(G)		PC	IMAGE	ALL	F7Ø2W		1	1	1137	1		2	
	COMET-X	(G)		PC	IMAGE	ALL	F7Ø2W		1	1Ø	1137	1		1	
	DARK-EARTH	(G)		HSP/PMT/V IS	SPLIT	1.0	F75ØW/F32ØN		1	300	1Ø81	Ø	CON SEL	. 10	
	DARK-EARTH	(G)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	300	1081	. 1	CAL	6	
	DARK-EARTH	(G)		HSP/PMT/V	SPLIT	1.0	F75ØW/F32ØN		1	300	1Ø82	1	CAL	16	
	DARK-EARTH	(0)		IS	CDI TT	1 4	E7E4W /E004**		_			_			
	DARK-EARTH	(G)		HSP/PMT/V IS	25FT1	1.0	F75ØW/F32ØN		1	3ØØ	1Ø82	2	CAL	10	

Target	RA (2ØØØ)	Dec (2000)	Inst. ( Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
DARK-EARTH	(G)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	300	1Ø82	3	CAL	4
DARK-EARTH	(G)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	3ØØ	1Ø82	4	CAL	2
DARK-EARTH	(G)		HSP/PMT/\ IS	/ SPLIT	1.0	F75ØW/F32ØN		1	300	1Ø83	1	CAL	10
DARK-EARTH	(G)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	3ØØ	1Ø83	2	CAL	20
DARK-EARTH	(G)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	3ØØ	1Ø83	3	CAL	10
DARK-EARTH	(G)		HSP/PMT/\	/ SPLIT	1.0	F75ØW/F32ØN		1	300	1Ø86	1	CAL	4
DWARF-OCC	(G)		HSP/ACQ	1APER	1Ø	CLEAR		1	300	1Ø84	2	ACQ	6
DWARF-OCC	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	3ØØ	1Ø84	2		6
EARLY-OCC	(Ġ)		HSP/ACQ	1APER	10	CLEAR		ī	300	1084	2	ACQ	3
EARLY-DCC	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		ī	300	1084	2		6
FAIRLY-LOW-LATITUDE-	7		F0C/48	IMAGE	512X1Ø24	F15ØW PRISM2		ī	900	1260	2		ĭ
FIELD													
FAIRLY-LOW-LATITUDE-	- (G)		F0C/48	IMAGE	512X1Ø24	F195W PRISM2 `		1	900	126Ø	2		1
FIELD	400		E00 (DD	4001111		0.5==1					_		
FUZZY-1	(G)	j	FOS/RD	ACCUM	1.0	G65ØL		_	5000	1045	1	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	1.0	PRISM			5000	1Ø45	1	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	1.0	G65ØL			5ØØØ	1045	2	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	1.0	PRISM			5 <b>000</b>	1Ø45	2	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	2.Ø-BAR	G65ØL		1 (	6000	1Ø45	1	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	2.Ø-BAR	PRISM		_	8 <b>000</b>	1045	1	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	2.Ø-BAR	G65ØL			8 <b>000</b>	1045	2	CON SI	
FUZZY-1	(G)		FOS/RD	ACCUM	2.Ø-BAR	PRISM			5 <b>øø</b> ø	1Ø45	2	CON SI	
FUZZY-2	(G)		FOS/RD	ACCUM	1.0	G65ØL		1 (	6 <b>000</b>	1Ø45	2	CON SI	EL 1
FUZZY-2	(G)		FOS/RD	ACCUM	1.0	PRISM		1 (	5 <b>000</b>	1Ø45	2	CON SI	EL 1
FUZZY-2	(G)		FOS/RD	ACCUM	2.Ø-BAR	G65ØL		1 (	5 <b>ØØ</b> Ø	1045	2	CON SI	EL 1
FUZZY-2	(G)		FOS/RD	ACCUM	2.Ø-BAR	PRISM		1 (	6 <b>000</b>	1045	2	CON SI	EL 1
FUZZY-3	(G)		FOS/RD	ACCUM	1.Ø	G65ØL		1 6	8000	1045	2	CON SI	EL 1
FUZZY-3	(G)		FOS/RD	ACCUM	1.0	PRISM		1 (	5ØØØ	1045	2	CON SE	EL 1
FUZZY-3	(G)		FOS/RD	ACCUM	2.Ø-BAR	G65ØL		1 (	5 <b>ØØ</b> Ø	1045	2	CON SI	EL 1
FUZZY-3	(G)		FOS/RD	ACCUM	2.Ø-BAR	PRISM		1 (	8 <b>ØØ</b> Ø	1045	2	CON SI	EL 1
HIGH-LATITUDE-FIELD	(Ġ)		F0C/48	IMAGE	512X1Ø24	F15ØW PRISM2		1	18ØØ	126Ø	2		1
HIGH-LATITUDE-FIELD	(Ġ)		F0C/48	IMAGE	512X1Ø24	F195W PRISM2		1	18ØØ	126Ø	2		1
IO-NA-OCC	(Ġ)		HSP/ACQ	1APER	10	CLEAR		1	3ØØ	1079	2	ACQ	1
IO-NA-OCC	(Ġ)		FOS/RD	RAPID	Ø.5	TBD-PII		1	300	1079	2	•	2
IO-NA-OCC	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	3ØØ	1079	2		2
JOV-RING-OCC-BRIGHT	(Ġ)		HSP/ACQ	1APÉR	10	CLEAR		1	300	1080	2	ACQ	1
JOV-RING-OCC-BRIGHT	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1080	2		1
JOV-RING-OCC-BRIGHT	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN			36ØØ	1080	2		1
JOV-RING-OCC-EARLY	(Ġ)		FOS/RD	RAPID	Ø.5	TBD-PII		1	300	1080	2		1
JOV-RING-DCC-EARLY	(G)		FOS/RD	RAPID	Ø.5	TBD-PII			24ØØ	1080	2		ī
LATE-OCC	(G)		HSP/ACQ	1APER	10	CLEAR		i	300	1084	2	ACQ	3
LATE-OCC	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		ī	300	1084	2		6
LOW-LATITUDE-FIELD	(G)		F0C/48	IMAGE	512X1Ø24	F15ØW PRISM2		i	6ØØ	1260	2		ĭ
LOW-LATITUDE-FIELD	(G)		F0C/48	IMAGE	512X1024 512X1024	F195W PRISM2		i	600	1260	2		î
MEDIUM-LATITUDE-FIEL			F0C/48	IMAGE	512X1024 512X1024	F150W PRISM2			1800	1260	2		1
D D	- (4)		100/40	IMAGE	21271874	LISEN LUISMS			TONE	1700	2		_
U													

#### Generic Targets

NEDIUM-LATITUDE-FIEL   G    F0C/48	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	IĎ	Су.	Spec . Req .		
PLAN-NEB-OCC   G		(G)		F0C/48	IMAGE	512X1Ø24	F195W PRISM2		1	1800	126Ø	2			1
PLAN-NEB-OCC   G    MSP/PWT   PWT/IDT   1.0   F758W/F328N   1   300   1094   2   0   0   0   0   0   0   0   0   0	_	(G)		HSP/ACQ	1APER	1Ø	CLEAR		1	300	1084	2	ACG		3
PLUTO-OCC   G    HSF/ACQ   1APER   10		ζĠί											nou,		
PLUTO-OCC   G  FOS/RD   RAPID   0.5   TBD-PII   1   360   1879   2   2   2   2   2   2   2   2   2	PLUTO-OCC						•						ACQ		
PLUTO-OCC   G    HSP/PMT   PHT/IDT   1.0   F758W/F32eN   1 386   1679   2   2   2   350-A   (G)   F05/RD   ACCUM   1.0   G276H   1 1260   1146   3   SEL   2   2   350-A   (G)   F05/RD   ACCUM   1.0   G276H   1 1260   1146   3   SEL   3   3   3   3   3   3   3   3   3	PLUTO-OCC	(G)				Ø.5									
\$30-A   \$6   \$F0\$/R0   \$ACCUM   1.0   \$6278H   1 1200   1146   3 SEL   2   3 SEJ   3	PLUTO-OCC	(G)					F75ØW/F32ØN		1						
\$80-A (6) FIS/RD ACCUM 1.0 G278H 1 2400 1146 3 SEL 3 (80-A (6) FIS/RD ACCUM 1.0 G278H 1 1200 1146 3 CN SEL 1 (80-A (6) FIS/RD ACQUBINA 4.3 MIRROR 1 111 1146 3 ACQ SEL 1 (80-A (6) FIS/RD ACQUBINA 4.3 MIRROR 1 111 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 111 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 1 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 11 1146 3 ACQ SEL 1 1 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 3 SEL 3 (80-B (6) FIS/RD ACQUBINA 4.3 MIRROR 1 1 10 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1146 4 1	QSO-A	(G)							1	1200			SEL		2
QSD-A   (6)	QSO-A	(G)			ACCUM	1.0	G27ØH		1	2400	1146				
QSO-A   (C)   FOS/RD   ACQUINA 4.3   MIRROR   1   11   1146   3   ACQ   CIN   1   1   146   3   ACQ   SEL   146   3   ACQ   AFER   146   ACQ   AFER   ACQ   ACQ   AFER   ACQ   ACQ   AFER   ACQ   ACQ   A		(G)			ACCUM	1.0	G27ØH		1	1200	1146	3	CON	SEL	1
SSU-B   (C)		(G)					MIRROR		1	11	1146	3	ACQ	SEL	
QSO-B   (G)	QSO-A	(G)		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	1146	3		CON	1
QUAS—OCC (G) HSP/RD ACQ/BINA 4.3 MIRROR 1 11 11 1146 3 ACQ SEL 1 QUAS—OCC (G) HSP/RD 1APER 10 CLEAR 1 300 1094 2 ACQ 3 QUAS—OCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1094 2 ACQ 1 SAT—OCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1094 2 ACQ 1 SAT—OCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1094 2 ACQ 1 SAT—OCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1099 2 ACQ 1 SAT—OCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1099 2 ACQ 1 SAT—CCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1099 2 ACQ 1 SAT—CCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1099 2 ACQ 1 SAT—CCC (G) F05/RD RAPID 0.5 TBD—PII 1 300 1090 2 ACQ 3 SAT—CCC (G) HSP/RVI PMT/IDT 1.0 F750W/F320N 1 300 1090 2 ACQ 3 SAT—CCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SAT—CCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SAT—CCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SAT—CCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 F550W/F320N 1 300 1090 4 ACQ 3 SEYPERT—OCC (G) HSP/RVI 1.0 HAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6 1255 0 1 SEYPERT—OCC (G) F550W 1 MAGE 512X512 F340M 1 1 6	QSO-B	(G)		FOS/RD	ACCUM	1.0	G27ØH		1	1200	1146	3			3
QUAS-OCC (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 6 CACQ (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 C 6 SAT-OCC (G) HSP/ACQ 1APER 10 CLEAR 1 300 1087 2 C 2 SAT-OCC (G) HSP/ACQ 1APER 10 CLEAR 1 300 1079 2 ACQ 1 SAT-OCC (G) HSP/ACQ 1APER 10 CLEAR 1 1 300 1079 2 C 2 SAT-OCC (G) HSP/ACQ 1APER 10 0.5 TBD-PII 1 300 1079 2 C 2 SAT-RING-OCC-EARLY (G) HSP/FMT PMT/IDT 1 0.6 F150W/F320N 1 1 300 1079 2 C 2 SAT-RING-OCC-EARLY (G) FOS/RD RAPID 0.5 TBD-PII 1 1 300 1080 2 1 SAT-RING-OCC-EARLY (G) FOS/RD RAPID 0.5 TBD-PII 1 1 300 1080 2 1 SAT-RING-OCC-EARLY (G) FOS/RD RAPID 0.5 TBD-PII 1 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 ACCE ACCE ACCE ACCE ACCE ACCE ACCE ACC	QSO-B	(G)			ACQ/BINA	4.3	MIRROR							SEL	
QUAS-OCC (G) HSP/PMT PMT/IDT 1.0 F756W/F32DN 1 300 1084 2 6 8 SAT-OCC (G) HSP/ACQ 1APER 10 CLEAR 1 300 1079 2 ACQ 1 SAT-OCC (G) FUS/RD RAPID 0.5 TBD-PII 1 300 1079 2 ACQ 1 SAT-RING-OCC-EARLY (G) FUS/RD RAPID 0.5 TBD-PII 1 300 1079 2 2 CS SAT-RING-OCC-EARLY (G) FUS/RD RAPID 0.5 TBD-PII 1 300 1080 2 1 SAT-RING-OCC-EARLY (G) FUS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) FUS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) FUS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SAT-RING-OCC-EARLY (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1APER 10 CLEAR 1 300 1084 2 CACQ 3 SATELLITES (G) HSP/ACQ 1AACG 512X512 F346M 1 1 6 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 76 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 51 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 750 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 750 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 750 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 750 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F346M 1 1 750 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F350M 1 1 840 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F350M 1 1 840 1259 0 1 SATED (G) FUC/98 IMAGE 512X512 F350M 1 1 840 1259 0 1 SATED	QUAS-DCC			HSP/ACQ	1APER	10	CLEAR		1	300	1Ø84	2			
SAT-OCC   G    HSP/ACQ   1APER   10   CLEAR   1   300   1679   2   ACQ   1	QUAS-DCC			HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1Ø84		•		
SAT-OCC (G) FIGS/RD RAPID 0.5 TBD-PII 1 300 1079 2 2 2 SAT-RING-OCC-EARLY (G) FIGS/RD RAPID 0.5 TBD-PII 1 300 1079 2 2 2 SAT-RING-OCC-EARLY (G) FIGS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) FIGS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) FIGS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) FIGS/RD RAPID 0.5 TBD-PII 1 2400 1080 2 1 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 10 CLEAR 1 300 1084 2 ACQ 3 SAT-RING-OCC-EARLY (G) HSP/RCQ 1 APER 1 APER 10 CLEAR		(G)		HSP/ACQ	1APER	10	CLEAR		1	300	1079	2	ACQ		1
SAT-RING-OCC-EARLY (6)		(G)			RAPID	Ø.5	TBD-PII		1	300	1079	2	•		2
SATELLITES   (6)									1	300	1079	2			2
SATELLITES   G    HSP/ACQ   1APER				FOS/RD					1		1080	2			1
SATELLITES   G    HSP/PMT   PMT/IDT   1.0   F750W/F320N   1 300 1084 2   6				FOS/RD					_						1
SEYFERT-OCC   G		(G)											ACQ		
SEYFERT-OCC   G		(G)							_						
SN-TBD   (G)				HSP/ACQ					_				ACQ		
SN-TBD   (G)															
SN-TBD   G  F0C/96		(G)							_						
SN-TBD   G  FDC/96		(6)							_						
SN-TBD   G		(6)										_			
SN-TED   (G)									-						1
SN-TBD   (G)		(6)													
SN-TBD   (G)		(G)		FOC/96											
SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       37       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       94       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       225       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       420       1259       0       2         SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       480       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       480       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       420       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M									_			-			
SN-TBD       (G)       F0C/96       IMAGE       512X512       F470M       1       94       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F470M       1       225       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F470M       1       420       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       36       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       36       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       420       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M	The state of the s														
SN-TBD       (G)       F0C/96       IMAGE       512X512       F470M       1       225       1259       Ø       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F470M       1       420       1259       Ø       2         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       Ø       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       420       1259       Ø       2         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       420       1259       Ø       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       540       1259       Ø       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       Ø       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       Ø       1         SN-TBD       (G)       F0C/98       SPEC       256X1024-SLIT       G150M </td <td></td> <td>(6)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		(6)							-						
SN-TBD       (G)       F0C/96       IMAGE       512X512       F476M       1       420       1259       0       2         SN-TBD       (G)       F0C/96       IMAGE       512X512       F476M       1       840       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       420       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G150M </td <td></td> <td>ζĞ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		ζĞ							_						
SN-TBD       (G)       FOC/96       IMAGE       512X512       F470M       1       840       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       36       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       420       1259       0       2         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       226       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT G150M       1       226       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT G225M       1		ζĞ													
SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       36       1259       Ø       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       42Ø       1259       Ø       2         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       54Ø       1259       Ø       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       84Ø       1259       Ø       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       84Ø       1259       Ø       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       26       1259       Ø       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F55ØM       1       26       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G15ØM       1       23Ø       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G25M<	SN-TBD	ζĠί													
SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       420       1259       0       2         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       240       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       240       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       226       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       <	SN-TBD	(Ĝ)										-			
SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       540       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       226       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       226       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SL	SN-TBD	(Ġ)													
SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       840       1259       0       1         SN-TBD       (G)       F0C/96       IMAGE       512X512       F550M       1       226       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G150M       1       230       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G150M       1       690       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G25M       1       780       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G225M       1       690       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G225M       1       780       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X1024-SLIT       G225M       1       780       1259       0       1         SN-TBD       (G)       F0C/48       SPEC       256X102	SN-TBD			F0C/96	IMAGE		F55ØM					Ø			
SN-TBD       (G)       FOC/96       IMAGE       512X512       F550M       1       226       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       230       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       690       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       690       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       Ø       4         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G450M       1       77       1259       Ø       1	SN-TBD			F0C/96	IMAGE	512X512	F55ØM		1			Ø			
SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       690       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G150M       1       780       1259       0       2         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       230       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       690       1259       0       1         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G225M       1       780       1259       0       4         SN-TBD       (G)       FOC/48       SPEC       256X1024-SLIT       G450M       1       77       1259       0       1	SN-TBD	(G)			IMAGE	512X512	F55ØM		1	226		Ø			
SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G15ØM       1       78Ø       1259       Ø       2         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       23Ø       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       69Ø       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       78Ø       1259       Ø       4         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G45ØM       1       77       1259       Ø       1	SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT	G15ØM		1	23Ø	1259	Ø			
SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G15ØM       1       78Ø       1259       Ø       2         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       23Ø       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       78Ø       1259       Ø       1         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G225M       1       78Ø       1259       Ø       4         SN-TBD       (G)       FOC/48       SPEC       256X1Ø24-SLIT       G45ØM       1       77       1259       Ø       1		(G)		F0C/48	SPEC	256X1Ø24-SLIT	G15ØM		1	69Ø	1259	Ø			1
SN-TBD       (G)       F0C/48       SPEC       256X1Ø24-SLIT       G225M       1       23Ø       1259       Ø       1         SN-TBD       (G)       F0C/48       SPEC       256X1Ø24-SLIT       G225M       1       69Ø       1259       Ø       1         SN-TBD       (G)       F0C/48       SPEC       256X1Ø24-SLIT       G225M       1       78Ø       1259       Ø       4         SN-TBD       (G)       F0C/48       SPEC       256X1Ø24-SLIT       G45ØM       1       77       1259       Ø       1		(G)		F0C/48	SPEC	256X1Ø24-SLIT	G15ØM		1	78Ø	1259	Ø			
SN-TBD (G) FOC/48 SPEC 256X1Ø24-SLIT G225M 1 78Ø 1259 Ø 4 SN-TBD (G) FOC/48 SPEC 256X1Ø24-SLIT G45ØM 1 77 1259 Ø 1		(G)			SPEC	256X1Ø24-SLIT	G225M		1	23Ø		Ø			
SN-TBD (G) F0C/48 SPEC 256X1Ø24-SLIT G45ØM 1 77 1259 Ø 1									1	69Ø	1259	Ø			1
SN-TBD (G) FOC/48 SPEC 256X1024-SLIT G450M 1 77 1259 0 1		(G)		F0C/48					1	78Ø	1259	Ø			4
		(G)		F0C/48					1	77	1259	Ø			1
	SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM		1	231	1259	Ø			1

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM		1	420	1259	Ø		1
SN-TBD	(Ġ)		F0C/48	SPEC	256X1Ø24-SLIT			1	66Ø	1259	Ø		ī
SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT			1	78Ø	1259	Ø		2
SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM		1	133	1259	Ø		1
SN-TBD	(G)		F0C/96	IMAGE	512X512	F346M		1	37	1259	Ø		1
SN-TBD	(G)		F0C/96	IMAGE	512X512	F346M		1	1Ø19	1259	Ø		1
SN-TBD	(G)		F0C/98	IMAGE	512X512	F47ØM		1	1019	1259	Ø		1
SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT			1	397	1259	Ø		1
SN-TBD	(G)		F0C/48	SPEC	256X1Ø24-SLIT	G225M		1	397	1259	Ø		1
SNA	(G)		PC	IMAGE	ANY	F555\		1	1000	1042	1	ACQ	1
SNA	(G)		PC	IMAGE	ANY	F555W		1	1000	1042	2	ACQ	1
SNA	(G)		FOS/RD	ACCUM	Ø.3	G57ØH		1	7200	1042	1		4
SNA	(G)		FOS/RD	ACCUM	Ø.3	PRISM		1	3600	1042	1		1
SNA	(G)		FOS/RD	ACCUM	Ø.5	PRISM		1	3600	1042	1		4
SNA	(G)		FOS/RD	ACCUM	Ø.3	G57ØH		1	7200	1042	2		4
SNA	(G)		FOS/RD	ACCUM	Ø.3	PRISM		1	3600	1042	2		1
SNA	(G)		FOS/RD	ACCUM	Ø.5	PRISM			3600	1042	2		4
SNA-GALAXY	(G)		FOS/RD	ACCUM	Ø.5	PRISM			6200	1042	1		1
SNA-GALAXY	(G) (G)		FOS/RD PC	ACCUM	Ø.5	PRISM			6200	1042	2		1
SNB SNB	(G)		FOS/BL	IMAGE ACCUM	ALL	F555W		1 1	35 6ØØ	1Ø42 1Ø42	1		1
SNB	(G)		FOS/BL	ACCUM	Ø.3 Ø.3	G13ØH G19ØH		1	600	1042	1		1 1
SNB	(G)		FOS/BL	ACCUM	Ø.3	G27ØH		1	600	1042	1		1
SNB	(G)		FOS/RD	ACCUM	Ø.3	G4ØØH		i	600	1042	i		i
SNB	(G)		FOS/RD	ACCUM	Ø.3	G57ØH		i	600	1042	ī		ī
SNB	(G)		FOS/RD	ACCUM	Ø.3	G78ØH		î	600	1042	1		i
SNB	(Ĝ)		FOS/RD	ACQ/BINA		MIRROR		ī	11	1042	î	ACQ	ī
SNC	(Ġ)		PC	IMAGE	ALL	F555W		ī	35	1042	ī		ī
SNC	(Ġ)		FOS/BL	ACCUM	Ø.3	G13ØH		ī	600	1042	1		ĭ
SNC	(Ġ)		FOS/BL	ACCUM	Ø.3	G19ØH		1	600	1042	1		1
SNC	(Ġ)		FOS/BL	ACCUM	Ø.3	G27ØH		1	600	1042	1		1
SNC	(G)		FOS/RD	ACCUM	Ø.3	G4ØØH		1	600	1Ø42	1		1
SNC	(G)		FOS/RD	ACCUM	Ø.3	G57ØH		1	600	1042	1		1
SNC	(G)		FOS/RD	ACCUM	Ø.3	G78ØH		1	600	1042	1		1
SNC	(G)		FOS/RD	ACQ/BINA	1.0	MIRROR		1	11	1Ø42	1	ACQ	1
SND	(G)		FOS/RD	ACCUM	Ø.5	PRISM	475Ø		5000	1042	1		1
SND	(G)		FOS/RD	ACCUM	Ø.5	PRISM	4750		5000	1042	2		1
SNE	(G)		PC	IMAGE	ANY	F555W		1	4000	1042	2		1
SNE	(G)		PC	IMAGE	ANY	F555W		1	4000	1042	3		1
TITAN-OCC	(G)		HSP/ACQ	1APER	10	CLEAR		1	300	1079	2	ACQ	1
TITAN-OCC	(G)		FOS/RD	RAPID	Ø.5	TBD-PII		1	300	1079	2		2
TITAN-OCC	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1079	2	4.00	2
TRITON-OCC	(G)		HSP/ACQ	1APER RAPID	1Ø Ø.5	CLEAR		1	300	1079	2	ACQ	1 2
TRITON-OCC TRITON-OCC	(G) (G)		FOS/RD HSP/PMT	PMT/IDT	1.0	TBD-PII		1	300	1079 1079	2		2
URANUS-SAT	(G)		WFC	IMAGE	ALL-ND	F75ØW/F32ØN F6Ø6W		1 3	300 1200	1079	1		1
URANUS-SAT	(G)		WFC	IMAGE	ALL-ND	F606W			1200	1088	1		1
URANUS-SAT	(G)		WFC	IMAGE	ALL-ND	F606W		_	1200	1088	1		1
URN-RING-OCC-BRIGHT	(G)		HSP/ACQ	1APER	10	CLEAR		1	300	1080	2	ACQ	i
URN-RING-OCC-BRIGHT	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		i	300	1080	2		i
URN-RING-OCC-BRIGHT	(G)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		î	3600	1080	2		ī
URN-RING-OCC-EARLY	(G)		FOS/RD	RAPID	Ø.5	TBD-PII		ī	300	1080	2		ī

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		pec. Req.	Total Lines
URN-RING-OCC-EARLY	(G)		FOS/RD	RAPID	Ø.5	TBD-PII		1	2400	1080	2		1
UVSTAR	(Ġ)		HRS	ACCUM	2.0	G14ØL	134Ø	1	3ØØ	1212	3		ī
UVSTAR	(Ġ)		HRS	ACCUM	2.Ø	G14ØL	1600	1	3ØØ	1212	3		1
VERY-LOW-LATITUDE-FI ELD			F0C/48	IMAGE	512X1Ø24	F15ØW PRISM2		1	300	126Ø	2		1
VERY-LOW-LATITUDE-FI	(G)		F0C/48	IMAGE	512X1Ø24	F195W PRISM2		1	3ØØ	126Ø	2		1
X-RAY-SOURCES	(G)		HSP/ACQ	1APER	10	CLEAR		1	3ØØ	1Ø84	2	ACQ	3
X-RAY-SOURCES	(Ġ)		HSP/PMT	PMT/IDT	1.0	F75ØW/F32ØN		1	300	1Ø84	2	•	6

## 4.4 PARALLEL-TARGET OBSERVATIONS FOR GTO PROGRAMS

Para	Hel	Tar	gets
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	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines	
	ASTL0100	_	_	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø5	1	PAR	1	
	ASTL0100	_	_	WFC	IMAGE	ALL	F555\\			1200	1305	1	PAR	1	
	ASTL0100	_	_	WFC	IMAGE	ALL	F785LP			1200					
6	ASTL0100 ASTL0102	_	<del>-</del>	WFC	IMAGE	ALL			1		1305	1	PAR	1	
7		_	-	WFC			G8ØØL		1		1305	1	PAR	1	
INTENTIONAL	ASTL01Ø4	-	-		IMAGE	ALL	F336W		1	2600	13Ø5	1	PAR	1	
	ASTL01Ø4	-	-	WFC	IMAGE	ALL	F555W		_	1200	13Ø5	1	PAR	1	
	ASTL01Ø4	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø5	1	PAR	1	
8	ASTL01Ø6	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1305	1	PAR	1	
2	ASTL01Ø8	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1	
	ASTL01Ø8	-	-	WFC	IMAGE	ALL	F336W		2		1305	1	PAR	1	
Æ	ASTL01Ø8		-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1	
- E	ASTL011Ø	-	-	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1	
	ASTL011Ø	_	-	WFC	IMAGE	ALL	F555W		1	1200	1305	1	PAR	1	
	ASTL011Ø	-	_	WFC	IMAGE	ALL	F785LP		1		13Ø5	1	PAR	1	
	ASTL0112	_	_	WFC	IMAGE	ALL	F336W			26ØØ	1305	1	PAR	1	
	ASTL0112	-	_	WFC	IMAGE	ALL	F555W				13Ø5	1	PAR	1	
	ASTL0112	-	_	WFC	IMAGE	ALL	F785LP				1305	ī	PAR	ī	
	ASTL0114	_	_	WFC	IMAGE	ALL	F336W		ī	2600	1305	î	PAR	ī	
	ASTL0114	_	_	WFC	IMAGE	ALL	F555W		ī		1305	ī	PAR	ī	
	ASTL0114	_	_	WFC	IMAGE	ALL	F785LP		i	2600	1305	1	PAR	1	
	ASTL0116	_	_	WFC	IMAGE	ALL	G8ØØL		1	2600	1305	1	PAR	1	
	ASTLO118	_	_	WFC	IMAGE	ALL				2600	1305		PAR		
	ASTL0118	_	_	WFC	IMAGE		F555W					1		2	
	ASTL0118	_	_	WFC	IMAGE	ALL	F336W			2600	1305	1	PAR	1	
		-	_			ALL	F785LP			2600	1305	1	PAR	1	
	ASTL012Ø	_	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1305	1	PAR	1	
	ASTL0122	_	-	WFC	IMAGE	ALL	F336W		1		13Ø5	1	PAR	1	
	ASTL0122	-	-	WFC	IMAGE	ALL	F555W				13Ø5	1	PAR	1	
	ASTL0122	-	-	WFC	IMAGE	ALL	F785LP				13Ø5	1	PAR	1	
	ASTL0124	-	-	WFC	IMAGE	ALL	G8ØØL				13Ø5	1	PAR	1	
	ASTL0126	-	-	WFC	IMAGE	ALL	F336W			2600	1305	1	PAR	1	
	ASTL0126	-	-	WFC	IMAGE	ALL	F555W				13Ø5	1	PAR	1.	
	ASTL0126	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø5	1	PAR	1	
	ASTL0128	-	-	WFC	IMAGE	ALL	G8ØØL				13Ø5	1	PAR	1	
	ASTL013Ø	-	-	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1	
	ASTL013Ø	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1305	1	PAR	1	
	ASTL013Ø		-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	1	
	ASTL0132	-	_	WFC	IMAGE	ALL	F656N		1	26ØØ	13Ø5	1	PAR	1	
	ASTL0134	_	-	WFC	IMAGE	ALL	F656N			2600	13Ø5	1	PAR	1	
	ASTL0136	-	_	WFC	IMAGE	ALL	F555W		1		13Ø5	1	PAR	2	
	ASTL0136	_	_	WFC	IMAGE	ALL	F336W		2		13Ø5	ī	PAR	ī	
	ASTL0136	_	_	WFC	IMAGE	ALL	F785LP		ī		1305	î	PAR	ī	
	ASTL0138	_	_	WFC	IMAGE	ALL	F656N				1305	ī	PAR	i	
	ASTL014Ø	_	_	WFC	IMAGE	ALL	F656N		1	2600	1305	1	PAR	1	
	ASTL0142	_	_	WFC	IMAGE	ALL	G8ØØL		1	2600	1305	1	PAR	1	
		_	_	WFC											
	ASTL0144	-	-		IMAGE	ALL	G8ØØL		1	2600	1305	1	PAR	1	
	ASTL0146	-	-	WFC	IMAGE	ALL	F656N		1	2600	13Ø5	1	PAR	1	
Ì	ASTL0148	-	-	WFC	IMAGE	ALL	F656N		1	2600	1305	1	PAR	1	
}	ASTL015Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø5	1	PAR	1	
	ASTL0152	-	-	WFC	IMAGE	ALL	F555W				1305	1	PAR	1	
	ASTL0152	-	-	WFC	IMAGE	ALL	F336W		2	2600	1305	1	PAR	. 1	
	ASTL0152	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1	
ļ	ASTL0154	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1305	1	PAR	1	
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Parallel Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
ASTL0154	-	<u>-</u>	WFC	IMAGE	ALL	F336W		2	2600	13ø5	1	PAR	1
ASTL0154	-	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	ī
ASTL0158	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	2
ASTL0156	-	_	WFC	IMAGE	ALL	F336W		2	26ØØ	13Ø5	1	PAR	1
ASTL0156	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	1
ASTL0158	-	-	WFC	IMAGE	ALL	F555\		1	2600	13Ø5	1	PAR	2
ASTL0158	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	1305	1	PAR	1
ASTL0158	-		WFC	IMAGE	ALL	F785LP		1	26ØØ	1305	1	PAR	1
ASTL016Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL016Ø	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	1305	1	PAR	1
ASTL016Ø	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø5	1	PAR	1
ASTL0162	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	13Ø5	1	PAR	1
ASTL0164	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø5	1	PAR	1
ASTL0166	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	13Ø5	1	PAR	1
ASTL0168	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1305	1	PAR	1
ASTL017Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø5	1	PAR	1
ASTL0172	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø5	1	PAR	1
ASTL0174	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1305	1	PAR	1
ASTL0176	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø5	1	PAR	1
ASTL0178	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø5	1	PAR	1
ASTL0178	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR	1
ASTL0178	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL018Ø	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø5	1	PAR	1
ASTL018Ø	-	<del>-</del>	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR	1
ASTL018Ø	-	· <b>-</b>	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0182	=	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø5	1	PAR	1
ASTL0182	-		WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR	1
ASTL0182		-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTLO184	-	-	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL0184	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL0184	-	-	WFC	IMAGE	ALL	F785LP F336W		1	2600	1305	1	PAR	1
ASTLO186	-	-	WEC	IMAGE IMAGE	ALL ALL	F555W		1 1	2600	13Ø5 13Ø5	1	PAR	1
ASTLO186	-	-	WFC	IMAGE	ALL	F785LP	•	1	26ØØ 26ØØ	1305	1	PAR	1
ASTLO186	-	-	WEC	IMAGE	ALL	F336W		1			1	PAR	1
ASTL0188 ASTL0188		-	WFC WFC	IMAGE	ALL	F555W		1	26ØØ 26ØØ	13Ø5 13Ø5	1 1	PAR	1
ASTLU188	-	<del>-</del>	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR PAR	1
ASTL0100	-	_	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL0190	- -	_	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL019Ø		_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	_
ASTL0192	_	_	WFC	IMAGE	ALL	F336W		i	2600	1305	i	PAR	1
ASTL0192	-	-	WFC	IMAGE	ALL	F555W		i	2600	1305	1	PAR	1 1
ASTL0192		_	WEC	IMAGE	ALL	F785LP		i	2600	1305	î	PAR	1
ASTL0192 ASTL0194	<u>-</u>	_	WFC	IMAGE	ALL	F336W		i	2600	1305	1	PAR	i
ASTL0194	-	_	WFC	IMAGE	ALL	F555W		i	2600	1305	ī	PAR	1
ASTL0194	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	i	PAR	î
ASTL0194	<b>-</b>	_	WFC	IMAGE	ALL	F336\		1	2600	1305	1	PAR	. 1
ASTL0196	<b>-</b> -	· . <u>-</u>	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL0196	<u>-</u>	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0198	<b>~</b> _	_	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL0198	<b>-</b>	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL0198	<b>-</b>	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
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Paralle	Targets
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Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
ASTL02ØØ	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø5	1	PAR	1
ASTL02ØØ	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL02ØØ	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1305	1	PAR	1
ASTL02Ø2	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	1305	1	PAR	1
ASTL02Ø2	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	1
ASTL02Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	1
ASTL02Ø4	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø5	1	PAR	. 1
ASTL02Ø4	•	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	1
ASTL02Ø4	<del>-</del>	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	1
ASTL02Ø6	-	-	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL02Ø6	. —	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	1
ASTL02Ø6	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL02Ø8	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	1305	1	PAR	1
ASTL02Ø8	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	1
ASTL02Ø8	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø5	1	PAR	1
ASTL021Ø	-	-	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL021Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR	1
ASTL021Ø ASTL0212	_	<u>-</u>	WFC WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0212 ASTL0212	<b>-</b>	-	WFC	IMAGE IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL0212 ASTL0212	_	<del>-</del>	WFC	IMAGE	ALL ALL	F555W		1	2600	1305	1	PAR	1
ASTL0212 ASTL0214	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0214	_	_	WFC	IMAGE	ALL	F336W F555W		1 1	26ØØ 26ØØ	13Ø5 13Ø5	1 1	PAR PAR	1
ASTL0214	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1 1
ASTL0216	_	_	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR	1
ASTL0216	_	_	WFC	IMAGE	ALL	F555W		i	2600	1305	1	PAR	1
ASTL0216	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0218	· <u> </u>	_	WFC	IMAGE	ALL	F336W		i	2600	1305	i	PAR	i
ASTL0218	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1305	ī	PAR	ī
ASTL0218	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	1305	ī	PAR	ī
ASTL022Ø	-	_	WFC	IMAGE	ALL	F336W		ī	2600	1305	ī	PAR	ī
ASTL022Ø	-	-	WFC	IMAGE	ALL	F555W		ī	2600	13Ø5	1	PAR	ī
ASTL022Ø	-		WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	1
ASTL0222	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø5	1	PAR	1
ASTL0222	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	1
ASTL0222	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	1
ASTL0224	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1305	1	PAR	2
ASTL0224	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	13Ø5	1	PAR	1
ASTL0224	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1305	1	PAR	2
ASTL0226	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	2
ASTL0226	· -	-	WFC	IMAGE	ALL	F336W		2	26ØØ	13Ø5	1	PAR	1
ASTL0226	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	2
ASTL0228	-	-	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	2
ASTL0228	-	-	WFC	IMAGE	ALL	F336W		2	2600	1305	1	PAR	1
ASTL0228	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR	2
ASTL023Ø	_	~	WFC	IMAGE	ALL	F555W		1	2600	1305	1	PAR	2
ASTL023Ø	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	1305	1	PAR	1
ASTL023Ø	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø5	1	PAR	2
ASTL0232	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	2
ASTL0232	-	-	WFC	IMAGE	ALL	F336W		2	2600	13Ø5	1	PAR	1
ASTL0232	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR	2
ASTL0234	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø5	1	PAR	2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Tota Lines	
ASTL0234	_	_	WFC	IMAGE	ALL	F336W		2	2600	13Ø5	1	PAR		1
ASTL0234	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR		2
ASTL0236	-	_	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR		2
ASTL0236	_	-	WFC	IMAGE	ALL	F336W		2	2600	1305	1	PAR		1
ASTL0236	-	_	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR		2
ASTL0238	-	_	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR		1
ASTL0238	_	_	WFC	IMAGE	ALL	F336W		2	2600	13Ø5	1	PAR		1
ASTL0238	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1305	1	PAR		1
ASTL024Ø	_	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR		ī
ASTL024Ø	_	_	WFC	IMAGE	ALL	F336W		2	2600	1305	1	PAR	-	1
ASTL024Ø	_	_	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR		1
ASTL0252	-	_	WFC	IMAGE	ALL	F336W		1	2600	1305	1	PAR		1
ASTL0252	_		WFC	IMAGE	ALL	F555W		1	2600	13Ø5	1	PAR		- 1
ASTL0252	-	_	WFC	IMAGE	ALL	F785LP		1	2600	13Ø5	1	PAR		1
AZZ1Ø4-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	300	1153	2	PAR		1
AZZ398-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	480	1153	2	PAR	-	1
AZZ456-FIELD	(Ġ)		WFC	IMAGE	ALL	G2ØØL		1	48Ø	1153	2	PAR		1
BG-0BJECT-1	-	_	WFC	IMAGE	ALL	F7Ø2W		1	1560	1018	1	PAR		- 1
BG-OBJECT-1Ø	_		WFC	IMAGE	ALL	F785LP		1	2000	1018	ī	PAR		1
BG-OBJECT-11		_	WFC	IMAGE	ALL	F785LP		1	1000	1018	1	PAR		ī
BG-0BJECT-2	_	_	WFC	IMAGE	ALL	F7Ø2W		1	2400	1018	1	PAR		1
BG-OBJECT-3	_	_	WFC	IMAGE	ALL	F7Ø2W		1	2700	1018	1	PAR		1
BG-OBJECT-4	-	_	WFC	IMAGE	ALL	F7Ø2W		1	2100	1018	1	PAR	-	- 1
BG-OBJECT-5	_	_	WFC	IMAGE	ALL	F7Ø2W		1	1500	1018	1	PAR		1
BG-OBJECT-6	_	-	WFC	IMAGE	ALL	F7Ø2W		1	2700	1018	1	PAR		1
BG-OBJECT-7	_	_	WFC	IMAGE	ALL	F785LP		1	2500	1018	1	PAR	1	1
BG-0BJECT-8	-	_	WFC	IMAGE	ALL	F785LP		1	2500	1018	1	PAR		1
BG-0BJECT-9	-	_	WFC	IMAGE	ALL	F785LP		1	2500	1Ø18	1	PAR	1	1
BG-OBJECTS	(G)		WFC	IMAGE	ALL	F7Ø2W		1	600	1024	1	PAR	1	1
BG-0BJECTS	(Ġ)		WFC	IMAGE	ALL	F555W		1	900	1025	1	PAR	;	3
BG-OBJECTS	(Ġ)		WFC	IMAGE	ALL	F7Ø2W		1	1140	1024	1	PAR	1	1
BG-0BJECTS	(Ġ)		WFC	IMAGE	ALL	F7Ø2W		1	1200	1024	1	PAR	1	1
BG-0BJECTS	(G)		WFC	IMAGE	ALL	F7Ø2W		1	126ø	1024	1	PAR	1	1
BG-OBJECTS	(G)		WFC	IMAGE	ALL	F7Ø2W		1	2160	1024	1	PAR		1
BG-0BJECTS	(G)		WFC	IMAGE	ALL	F555W		1	1200	1025	1	PAR	- 2	2
BG-OBJECTS	(G)		WFC	IMAGE	ALL	F555W		1	1500	1025	1	PAR		1
BG-OBJECTS	(G)		F0C/48	IMAGE	512X512	F195 <b>W</b>		1	2700	1020	Ø	SEL I	PAR :	2
BG-0BJECTS	(G)		F0C/48	IMAGE	512X512	F342W		1	2700	1020	Ø	SEL	PAR 2	2
FIELD-NEAR-CAL87	(G)		WFC	IMAGE	ALL	G2ØØL		1	600	1151	1	PAR		3
FIELD-NEAR-HD144668	(G)		WFC	IMAGE	ALL	F547M		1	300	1209	3	PAR		1
FIELD-NEAR-HD144668			WFC	IMAGE	ALL	F664N		1	600	1209	3	PAR	:	1
FIELD-NEAR-HD144668	G (G)		WFC	IMAGE	ALL	F284W		1	120	1209	3	PAR		1
FIELD-NEAR-HDE28357	'2 (G)		WFC	IMAGE	ALL	F547M		1	300	12Ø9	2	PAR		1
FIELD-NEAR-HDE28357			WFC	IMAGE	ALL	F664N		1	600	12Ø9	2	PAR		1
FIELD-NEAR-HDE28357	'2 (G)		WFC	IMAGE	ALL	F284W		1	25Ø	1209	2	PAR		1
FIELD-NEAR-LMC-X-1	(G)		WFC	IMAGE	ALL	G2ØØL		1	900	1151	2	PAR		2
FIELD-NEAR-LMC-X-3	(G)		WFC	IMAGE	ALL	G2ØØL		1	1200	1151	1	PAR		1
FIELD-NEAR-LMC-X-3	(G)		WFC	IMAGE	ALL	G2ØØL		1	1200	1151	2	PAR	:	1
FIELD-NEAR-LMC-X-4	(G)		WFC	IMAGE	ALL	G2ØØL		1	36Ø	1151	2	PAR		4
FIELD-NEAR-RU-LUPI	(G)		WFC	IMAGE	ALL	F284W		1	500	1209	1	PAR		1
FIELD-NEAR-RU-LUPI	(G)		WFC	IMAGE	ALL	F375N		1	3ØØ	12Ø9	1	PAR		1
FIELD-NEAR-RU-LUPI	(G)		WFC	IMAGE	ALL	F547M		1	500	1209	1	PAR	:	1

#### Parallel Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
FIELD-NEAR-RU-LUPI	(G)		WFC	IMAGE	ALL	F664N		1	6ØØ	1209	1	PAR	•
FIELD-NEAR-RY-TAU	(G)		WFC	IMAGE	ALL	F284W		1	300	1209	1	PAR	1
FIELD-NEAR-RY-TAU	(G)		WFC	IMAGE	ALL	F375N		i	300	1209	1	PAR	
FIELD-NEAR-RY-TAU	(G)		WFC	IMAGE	ALL			1	300	1209			1
FIELD-NEAR-RY-TAU	(G)		WFC			F547M					1	PAR	1
FIELD-NEAR-SU-AUR	(G)		WFC	IMAGE IMAGE	ALL	F664N		1	12ØØ 3ØØ	1209	1	PAR	1
FIELD-NEAR-SU-AUR	(G)		WFC	IMAGE	ALL ALL	F284W		1	300 300	1209	2	PAR	1
FIELD-NEAR-SU-AUR	(G)		WFC			F375N		1	-	1209	2	PAR	1
FIELD-NEAR-SU-AUR	(G)		WFC	IMAGE	ALL	F547M		1	300	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE IMAGE	ALL	F664N	•		1200 1200	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE	ALL	F284W			1200	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE	ALL	F336W		1	1200	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE	ALL	F375N				1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE	ALL	F547M			1200	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC		ALL	F569W		1	120	1209	2	PAR	1
FIELD-NEAR-T-TAU	(G)		WFC	IMAGE IMAGE	ALL ALL	F664N F791W			12ØØ 12Ø	12Ø9 12Ø9	2	PAR PAR	1
FIELD/PAR	(G)		F0C/48	IMAGE	512X512			1 1	300	1078		PAR	1 5
FIELD/PAR	(G)		F0C/48	IMAGE	512X512 512X512	F275W F275W		1	300	1078	Ø	PAR	
FIELD/PAR	(G)		F0C/48	IMAGE	512X512 512X512	F275W		i	300	1078	1 2	PAR	13 19
FIELD/PAR	(G)		F0C/48	IMAGE	512X312 512X1Ø24	F43ØW			2700	1276	ø	PAR	6
FIELD/PAR	(G)		F0C/48	IMAGE	512X1024 512X1024	F275W			2700	1276	1	PAR	3
FIELD/PAR	(G)		F0C/48	IMAGE	512X1024 512X1024	F342W			2700	1276	1	PAR	2
FIELD/PAR	(G)		F0C/48	IMAGE	512X1024 512X1024	F43ØW			2700	1276	1	PAR	18
FIELD/PAR	(G)		FOC/48	IMAGE	512X1024	F275W			2700	1276	2	PAR	3
FIELD/PAR	(Ğ)		F0C/48	IMAGE	512X1Ø24	F342W			2700	1276	2	PAR	2
FIELD/PAR	(Ğ)		F0C/48	IMAGE	512X1024	F43ØW			2700	1276	2	PAR	14
FIELD/PAR	(Ġ)		F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1078	ø	PAR	4
FIELD/PAR	(Ġ)		F0C/48	IMAGE	512X1Ø24	PRISM2			1500	1078	ø	PAR	5
FIELD/PAR	(Ġ)		F0C/48	IMAGE	512X1Ø24	PRISM2			1500	1078	1	PAR	13
FIELD/PAR	(Ġ)		F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1078	2	PAR	3
FIELD/PAR	(G)		F0C/48	IMAGE	512X1Ø24	PRISM2			1500	1078	2	PAR	19
FOCCL100	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	26ØØ	1302	1	PAR	1
FOCCL1ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	13Ø2	1	PAR	1
FOCCL1Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	26ØØ	1302	1	PAR	1
FOCCL1Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	26ØØ	1302	1	PAR	1
FOCCL1Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	26ØØ	13Ø2	1	PAR	1
FOCCL1Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	1302	1	PAR	1
FOCCL1Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	1300	13Ø2	1	PAR	1
FOCCL1Ø8	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW	•	1	1300	13Ø2	1	PAR	1
FOCCL1Ø8	-	. <b>-</b>	F0C/48	IMAGE	512X1Ø24	F3Ø5LP			1300	13Ø2	1	PAR.	1
FOCCL1Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	13Ø2	1	PAR	1
FOCCL1Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	1300	13Ø2	1	PAR	1
FOCCL110	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	1302	1	PAR	1
FOCCL11Ø	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP			1300	13Ø2	1	PAR	1
FOCCL112	· <u>-</u>	_	F0C/48	IMAGE	512X1Ø24	F43ØW			1300	13Ø2	1	PAR	1
FOCCL112	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP			1300	1302	1	PAR	1
FOCCL114	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW_		_	1300	13Ø2	1	PAR	1
FOCCL114	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP			1300	13Ø2	1	PAR	1
FOCCL116	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1300	1302	1	PAR	1
FOCCL116	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP			1300	1302	1	PAR	1
F0CCL118	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1300	1302	1	PAR	1
FOCCL118	-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	1300	1302	1	PAR	1

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_				Inst.	Operating		Spectra I	Central	No.				Spec.	Total
Target		RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	. Time	ID	Cy.	Req.	Lines
FOCCL12Ø		_	<u>:</u>	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	1200	-	PAR	•
FOCCL120		_	_	F0C/48	IMAGE	512X1024 512X1024	F3Ø5LP		1	1300	13Ø2 13Ø2	1	PAR	1
FOCCL122		_	_	F0C/48	IMAGE	512X1024	F43ØW		i	1300	1302		PAR	1
FOCCL122		Ξ	_	F0C/48	IMAGE	512X1024	F3Ø5LP		1	1300	1302	1 1	PAR	1 1
FOCCL124		_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	1302			
FOCCL124		<del>-</del>	_	F0C/48	IMAGE	512X1024 512X1024	F3Ø5LP		i	1300	1302	1	PAR Par	1
FOCCL124		· -		F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	1300	1302	1	PAR	1
FOCCL126		-	_	F0C/48	IMAGE	512X1024 512X1024	F3Ø5LP		1	1300	1302	1		1 1
FOCCL128		<del>-</del>	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW			2600		1	PAR	
FOCCL128		_	_	F0C/48	IMAGE	512X1024 512X1024	F3Ø5LP		1	2600	13Ø2 13Ø2	1	PAR	1
FOCCL128		-	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	2600	1302	1	PAR	1
FOCCL130			-	F0C/48	IMAGE	512X1024 512X1024	F3Ø5LP		1	2600		1	PAR	1
		-	-		IMAGE	512X1024 512X1024	F43ØW		-		1302	1	PAR	1
FOCCL132		-	_	FOC/48	IMAGE	512X1024 512X1024	F305LP		1	2600	1302	1	PAR	1
FOCCL132		-	-	F0C/48					1	2600	1302	1	PAR	1
FDCCL134		<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1302	1	PAR	1
FOCCL134		-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	1302	. 1	PAR	1
FOCCL136			-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1302	1	PAR	1
FOCCL136		-	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	1302	1	PAR	1
FOCCL138		-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1302	1	PAR	1
FOCCL138			-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	13Ø2	1	PAR	1
FOCCL14Ø		-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø2	1	PAR	. 1
FOCCL14Ø		-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1302	1	PAR	1
FOCCL14Ø		=	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	13Ø2	1	PAR	1
FOCCL142		-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø2	1	PAR	1
FOCCL142		=	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	2600	1302	1	PAR	1
FOCCL144		<del></del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1300	1302	1	PAR	1
FOCCL144		· <del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F3Ø5LP		1	1300	13Ø2	1	PAR	1
FOCSP100		-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP1ØØ		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP1Ø2			-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP1Ø2		-	-	F0C/98	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP1Ø4		· <del>-</del>	-	F0C/96	IMAGE	512X1Ø24	F342W		1	1300	13Ø3	1	PAR	1
FOCSP1Ø4		· <del>-</del> ,	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1300	1303	1	PAR	1
FOCSP1Ø6		-	-	F0C/98	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP1Ø6		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	-1
FOCSP1Ø8		· <b>-</b>	-	FDC/96	IMAGE	512X1Ø24	F275W		1	26ØØ	13Ø3	1	PAR	1
FOCSP1Ø8		-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP1Ø8		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP11Ø		-	-	F0C/96	IMAGE	512X1Ø24	F275W		1	2600	13Ø3	1	PAR	1
FOCSP110		-	-	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP110		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø3	1	PAR	1
FOCSP112			-	F0C/96	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP112		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP114		<del>.</del>	-	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP114		-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP116		-	-	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP116		<b>-</b>	<del>-</del> .	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
F0CSP118		_	- '	F0C/96	IMAGE	512X1Ø24	F342W		1	1300	13Ø3	1	PAR	1
FOCSP118			-	F0C/98	IMAGE	512X1Ø24	F43ØW		1	1300	1303	1	PAR	. 1
FOCSP12Ø		_	_	F0C/96	IMAGE	512X1Ø24	F342W		1	1300	13Ø3	1	PAR	1
FOCSP12Ø		_	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1300	1303	1	PAR	1
FOCSP122		_	-	F0C/96	IMAGE	512X1Ø24	F342W		ĩ	2600	13Ø3	ī	PAR	1
				•					_			_		_

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
FOCSP122	_	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø3	1	PAR	1
FOCSP124	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	13Ø3	1	PAR	ī
FOCSP124	-	_	F0C/96	IMAGE	512X1Ø24	F43Ø\		1	1300	13Ø3	1	PAR	1
FOCSP126	-	•••	F0C/96	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP126	-	-	F0C/98	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø3	1	PAR	1
FOCSP128	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP128	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	1	PAR	1
FOCSP13Ø	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	13Ø3	1	PAR	1
FOCSP13Ø	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			1300	1303	1	PAR	1
FOCSP132	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	13Ø3	1	PAR	1
FOCSP132	_	-	F0C/96	IMAGE	512X1Ø24	F43ØW			1300	13Ø3	1	PAR	1
FOCSP134	-	-	F0C/96	IMAGE	512X1Ø24	F342W			2600	13Ø3	1	PAR	1
FOCSP134		-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	1	PAR	1
FOCSP136	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	13Ø3	1	PAR	1
FOCSP136	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			1300	13Ø3	1	PAR	1
FOCSP138	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	13Ø3	. 1	PAR	1
FOCSP148	·	-	F0C/96	IMAGE	512X1Ø24	F43ØW			1300	1303	1	PAR	1
FOCSP14Ø FOCSP14Ø	<u>-</u>	-	F0C/96	IMAGE	512X1Ø24	F342W			2600	1303	1	PAR	1
FOCSP142		-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	1303	1	PAR	1
FOCSP142	_	. <b>-</b>	F0C/96	IMAGE	512X1Ø24	F342W			2600	1303	1	PAR	1
FOCSP144	_	_	F0C/96 F0C/96	IMAGE IMAGE	512X1Ø24	F43ØW F342W			26ØØ 26ØØ	13Ø3 13Ø3	1	PAR Par	1
FOCSP144	-	_	F0C/96	IMAGE	512X1Ø24 512X1Ø24	F43ØW			2600	1303	i	PAR	1 1
FOCSP146	_	_	F0C/96	IMAGE	512X1024 512X1024	F342W			2600	1303	i	PAR	1
FOCSP146	-	_	F0C/96	IMAGE	512X1024	F43ØW			2600	1303	i	PAR	1
FOCSP148	_	_	F0C/96	IMAGE	512X1024	F342W			2600	1303	i	PAR	1
FOCSP148	_	_	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	ī	PAR	ī
FOCSP15Ø	_	_	F0C/96	IMAGE	512X1Ø24	F342W			2600	13Ø3	ī	PAR	ī
FOCSP15Ø	_	_	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	ī	PAR	ī
FOCSP152	-	_	F0C/98	IMAGE	512X1Ø24	F342W			2600	13Ø3	ī	PAR	ī
FOCSP152	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	1303	1	PAR	ī
FOCSP154	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP154	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP156	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP156	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	1	PAR	1
FOCSP158	-	-	F0C/96	IMAGE	512X1Ø24	F275W			2600	13Ø3	1	PAR	1
FOCSP158	-	-	F0C/96	IMAGE	512X1Ø24	F342W			26ØØ	13Ø3	1	PAR	1
FOCSP158	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			26ØØ	13Ø3	1	PAR	1
FOCSP16Ø	-	-	F0C/96	IMAGE	512X1Ø24	F342W			1300	1303	1	PAR	1
FOCSP16Ø	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			1300	13Ø3	1	PAR	1
FOCSP162	-	-	F0C/96	IMAGE	512X1Ø24	F275W			2600	13Ø3	1	PAR	1
FOCSP162	-	-	F0C/98	IMAGE	512X1Ø24	F342W			2600	13Ø3	1	PAR	1
FOCSP162	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	13Ø3	1	PAR	1
FOCSP164		-	F0C/96	IMAGE	512X1Ø24	F342W			2600	1303	1	PAR	1
FOCSP164 FOCSP166	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	1303	1	PAR	1
FOCSP166	-	-	FOC/96	IMAGE	512X1Ø24	F275W			2600	1303	1	PAR	1
FOCSP166		-	F0C/96	IMAGE	512X1Ø24	F342W			2600	1303	1	PAR	1
FOCSP168	<b>-</b>	-	F0C/96	IMAGE	512X1Ø24	F43ØW			2600	1303	1	PAR	1
FOCSP168	_	<u>-</u>	FOC/96 FOC/96	IMAGE IMAGE	512X1Ø24	F342W			2600	1303	1	PAR	1
FOCSP17Ø	_	<u>-</u> -	FOC/96	IMAGE	512X1Ø24	F43ØW			2600	1303	1	PAR	1
FOCSP17Ø	_	<u>-</u>		IMAGE	512X1Ø24	F275W F342W			26ØØ 26ØØ	13Ø3 13Ø3	1	PAR	1 1
. 000. 1.10	-	-	F0C/96	TMAGE	512X1Ø24	FOTAN		1	2000	1203	1	PAR	T

<b>TA</b>	PA (Daga)	D = = (D@@@)	Inst.	Operating	A	Spectral	Central	No.	Exp.	70	<b>C</b>	Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp	. Time	ID	cy.	Req.	Lines
F0CSP17Ø	_	_	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSP172	-		F0C/96	IMAGE	512X1Ø24	F342W		1	1300	13Ø3		PAR	1
FOCSP172	-	_	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1300	13Ø3	1	PAR	1
F0CSP174	-		F0C/96	IMAGE	512X1Ø24	F275W		1	2600	13Ø3	1	PAR	1
FOCSP174	-		F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
F0CSP174	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
F0CSP176	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	1300	13Ø3		PAR	1
FOCSP176	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	1300	13Ø3		PAR	1
FOCSP178	-	-	F0C/96	IMAGE	512X1Ø24	F275W		1	2600	13Ø3		PAR	1
FOCSP178	-	-	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3		PAR	1
FOCSP178	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	1303	1	PAR	1
FOCSP18Ø	-	-	F0C/98	IMAGE	512X1Ø24	F275W		1	2600	13Ø3		PAR	1
FOCSP18Ø	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3		PAR	1
FOCSP18Ø	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	1303		PAR	1
FOCSP182	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3		PAR	1
FOCSP182	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3		PAR	1
FOCSP184	=	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3		PAR	1
FOCSP184	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3		PAR	1
FOCSP186	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
FOCSP186	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	1303	1	PAR	1
FOCSP188	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	2600	1303	1	PAR	1
FOCSP188	_	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	1303		PAR	1
FOCSP19Ø	•	-	F0C/96	IMAGE	512X1Ø24	F275W		1	2600	1303	1	PAR	1
FOCSP19Ø FOCSP19Ø	<u>-</u>	_	FOC/96 FOC/96	IMAGE IMAGE	512X1Ø24	F342W		1	2600	13Ø3 13Ø3	1 1	PAR PAR	1 1
F0CSP192	-	_	F0C/96	IMAGE	512X1Ø24	F43ØW		1	26ØØ 26ØØ	1303	1	PAR	1
FOCSP192	_	_	F0C/96	IMAGE	512X1Ø24 512X1Ø24	F275W F342W		1 1	2600	1303	1	PAR	1
F0CSP192	_	_	F0C/98	IMAGE	512X1024 512X1024	F43ØW		1	2600	1303	1	PAR	i
F0CSP194	_		F0C/98	IMAGE	512X1024	F275W		i	2600	1303	ī	PAR	i
FOCSP194	_	-	F0C/96	IMAGE	512X1024	F342W		î	2600	1303	î	PAR	i
FOCSP194	_	-	F0C/96	IMAGE	512X1Ø24	F43ØW		ī	2600	13Ø3	ī	PAR	ī
FOCSP196	-	_	F0C/98	IMAGE	512X1Ø24	F275W		ī	2600	1303	ī	PAR	ī
FOCSP198	-	_	F0C/96	IMAGE	512X1Ø24	F342W		ī	2600	13Ø3	1	PAR	ī
FOCSP196	_		F0C/98	IMAGE	512X1Ø24	F43ØW		ī	2600	13Ø3	1	PAR	ī
FOCSP198	-	_	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	ī
FOCSP198	_	_	F0C/98	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
F0CSP2ØØ	-	_	F0C/96	IMAGE	512X1Ø24	F275W		1	2600	13Ø3	1	PAR	1
FOCSP2ØØ	_	-	F0C/98	IMAGE	512X1Ø24	F342W		1	2600	13Ø3	1	PAR	1
F0CSP2ØØ	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø3	1	PAR	1
FOCSP2Ø2	-	-	F0C/96	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø3	1	PAR	1
FOCSP2Ø2	-	-	F0C/96	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø3	1	PAR	1
FOCSV1ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV1ØØ	-		F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV1Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV1Ø2	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV1Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1
FOCSV1Ø4	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV1Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV1Ø8	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	1
FOCSV1Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV1Ø8	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
Fücsv11ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1

### Parallel Targets

	D. (0.000)	• (====	Inst.	Operating		Spectral	Central	Νo.	Exp.			Spec.	Total
Target	RA (2ØØØ)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
E000V11#			E0C / 40	THACE	E10V1004	EADOW		_			_		_
FOCSV11Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV110	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV112	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV112	_	-	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV112	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV114	-	-		IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV114	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV116 FOCSV116	-	<del>-</del>	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	F275W PRISM2		1	600	1307	1	PAR	1
FOCSV118	<u> </u>	<del>-</del>	F0C/48	IMAGE	512X1024 512X1024	F275W		1	1800	1307	1	PAR	1
FOCSV118	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	600	1307	1	PAR	1
FOCSV118		_	F0C/48	IMAGE	512X1024 512X1024	F15ØW		1	600	1307	1	PAR	1
F0CSV118	_	<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F275W		1	2600	1307	1	PAR	1
FOCSV118	_	<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F342W		1 1	2600	1307	1	PAR	1
FOCSV118		_	F0C/48	IMAGE	512X1024 512X1024	F43ØW			26ØØ 26ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV118		_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1			1	PAR	1
FOCSV12Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1 1	18ØØ 6ØØ	13Ø7 13Ø7	1	PAR	2
FOCSV12Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		_		1307	1	PAR	1
FOCSV12Ø	_	_	F0C/48	IMAGE	512X1024	F342W		1	600 2600	1307	1	PAR	1
FOCSV12Ø	_	_	F0C/48	IMAGE	512X1024	PRISM2		1	1800	1307	1	PAR	1
F0CSV122	_	_	F0C/48	IMAGE	512X1024	F275W					1	PAR	2
F0CSV122	-	_	F0C/48	IMAGE	512X1024	PRISM2		1	600 1800	13Ø7 13Ø7	1	PAR Par	1
FOCSV124	_	_	F0C/48	IMAGE	512X1024	F275W		1	600	1307	1 1		1
FOCSV124	_	_	F0C/48	IMAGE	512X1024	PRISM2		i	1800	1307	1	PAR	1
F0CSV126	_	_	F0C/48	IMAGE	512X1024	F275W		i	600	1307	1	PAR PAR	1
F0CSV126	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	1	PAR	1
FOCSV126	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	1	PAR	2
F0CSV128	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		i	600	1307	1	PAR	1
FOCSV128	_	••	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	i	PAR	1
FOCSV128	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	i	PAR	2
FOCSV13Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		î	600	1307	i	PAR	i
FOCSV13Ø	-	· <u>-</u>	F0C/48	IMAGE	512X1Ø24	F43ØW		i	6ØØ	1307	i	PAR	i
FOCSV13Ø	_	-	F0C/48	IMAGE	512X1Ø24	F342W		î	2600	1307	ī	PAR	î
F0CSV13Ø	_		F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	i	PAR	2
FOCSV132	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	î	PAR	ī
FOCSV132	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	î	PAR	ī
FOCSV132	-	. <b>-</b>	F0C/48	IMAGE	512X1Ø24	PRISM2	•	ī	1800	1307	î	PAR	2
FOCSV134	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	i	PAR	ī
F0CSV134	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	î
F0CSV136		_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	i	PAR	ī
F0CSV136	-		F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	i	PAR	ī
FOCSV136	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	i	PAR	2
F0CSV138	_	~	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	ī
F0CSV138	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	i	PAR	ī
FOCSV14Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	î	PAR	i
FOCSV14Ø	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		î	600	1307	ī	PAR	i
FOCSV14Ø	_	-	F0C/48	IMAGE	512X1Ø24	F342W		i	2600	1307	î	PAR	i
F0CSV14Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	1	PAR	2
FOCSV142		_	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307	1	PAR	1
FOCSV142	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	1	PAR	i
FOCSV144	_	_	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307	1	PAR	1
FOCSV144	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	1	PAR	1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
FOCSV144	_	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV144	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV146	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV146	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR .	1
FOCSV148	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV148	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV148	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV148	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV15Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV15Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV152	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV152	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV152	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
FOCSV152	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV152	· <del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø7	1	PAR	1
FOCSV152	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV154	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV154	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV156	-	=	F0C/48	IMAGE	512X1Ø24	F150W		1	600	13Ø7	1	PAR	1
FOCSV158	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV156	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV156	-		F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2
FOCSV156	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
F0CSV156	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV158	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV158	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	. 1	PAR	1
FOCSV16Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV16Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV16Ø		-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV162	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV182	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV184	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV164 FOCSV164	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW F342W		1 1	6ØØ 26ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV164	<del>-</del>		F0C/48	IMAGE	512X1Ø24	PRISM2			1800		1	PAR	1
F0CSV164 F0CSV168	-	-	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F275W		1 1	600	13Ø7 13Ø7	1	PAR	2
F0CSV166	-	<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	600	1307	1	PAR	1
F0CSV166	-	-	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR	1
F0CSV168	· _	_	F0C/48 F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1	PAR PAR	2 1
FOCSV168	_	~	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	600	1307		PAR	1
FOCSV168	<b>-</b>	_	F0C/48	IMAGE	512X1024 512X1024	F342W		1	2600	1307	1	PAR	_
F0CSV168	-	<u>-</u>		IMAGE	512X1024 512X1024	PRISM2		1	1800	1307			1 2
FOCSV17Ø	<u>-</u>	-	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1	PAR PAR	1
FOCSV17Ø	=	_	F0C/48					1	600	1307			
FOCSV17Ø	<b>-</b> -	_	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F43ØW PRISM2		1	1800	1307	1 1	PAR PAR	1 2
F0CSV172	_	-	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1	PAR	1
F0CSV172	. <b>~</b> _	<del>-</del>	FOC/48	IMAGE	512X1024 512X1024	F43ØW		1	6ØØ	1307	1	PAR	1
F0CSV172	_	<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	PRISM2		i	1800	1307	1	PAR	2
F0CSV172 F0CSV174		<u>-</u>						1	600	1307	1	PAR	1
F0CSV174	<b>-</b> -	_	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1
F0CSV174 F0CSV174	<del>-</del>	_	F0C/48	IMAGE IMAGE	512X1Ø24	F43Ø₩ PRISM2		1	1800	1307		PAR	2
10001174	-	-	F0C/48	TWVGE	512X1Ø24	LKTOWS		1	TONE	TOU	1	ı vu	2

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time		Cy.	Spec. Req.	Total Lines
FOCSV176	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV176	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	ī
FOCSV178	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	ī
FOCSV178	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV178	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
F0CSV178	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV178	-	***	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	13Ø7	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		- 1	2600	13Ø7	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø7	1	PAR	1
FOCSV18Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV182	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV182	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV184	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV184	-	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV184 FOCSV186	<b>-</b>	_	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV186	<u>-</u>	<u>-</u>	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV188	_	<u>-</u>	F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2		1 1	1800	1307	1	PAR	1
F0CSV188	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	6ØØ 6ØØ	13Ø7 13Ø7	1	PAR PAR	1
FOCSV188	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW PRISM2		1	1800	1307	i	PAR	1 2
FOCSV19Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307	ī	PAR	1
FOCSV19Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	i	PAR	i
FOCSV19Ø		_	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	î	PAR	2
FOCSV192	_	_	F0C/48	IMAGE	512X1Ø24	F275W		î	600	1307	î	PAR	ī
F0CSV192	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
FOCSV194	_	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	1	PAR	1
FOCSV194	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	13Ø7	1	PAR	ī
FOCSV194	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FOCSV194	_	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV194	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV196	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
FOCSV196		-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV196	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV198	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV198	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV198	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV2ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV2ØØ	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV2Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV2Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV2Ø2 F0CSV2Ø2	-	-	F0C/48	IMAGE IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
	••	-	F0C/48		512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV2Ø2	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV2Ø4	<del>-</del>	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV2Ø4 FOCSV2Ø4		_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV2Ø8	<del>-</del>	<b>-</b> -	F0C/48	IMAGE IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV2Ø8	<b>-</b>	<b>-</b>	FOC/48 FOC/48	IMAGE	512X1Ø24 512X1Ø24	F275W F43ØW		1	6ØØ 6ØØ	1307	1	PAR	1
1 JOSTEDO .	_	_	100/40	TWVGE	01471874	F43011		7	ששם	1307	1	PAR	1

FOCS-1286	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp.	ID	Cy.	Spec. Req.	Total Lines
FOCSY286 FOC/48 IMAGE 512X1824 F275W 1 2680 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F342W 1 2680 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F436W 1 2680 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F436W 1 2680 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY286 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 860 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 2600 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 2600 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 2600 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F436W 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F436W 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F436W 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY216 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F72FW 1 1 800 1367 1 PAR 1 FOC	F0CSV2Ø6	-	_	F0C/48	IMAGE	512X1Ø24			1	26ØØ	13Ø7	1	PAR	1
FOCSY286 FOC/48 IMAGE 512X1824 F342W 1 2888 1367 1 PAR 1 1 POCSY286 FOC/48 IMAGE 512X1824 F438W 1 1 2888 1367 1 PAR 1 POCSY288 FOC/48 IMAGE 512X1824 PRISM2 1 1888 1367 1 PAR 1 PAR 1 PAR 2 PAR	FOCSV2Ø6	-	-	F0C/48		512X1Ø24	F275W		1	2600				
FOCSY288 FOC/48 IMAGE 512X1824 PRISM2 1 1866 1387 1 PAR 2 FOCSY288 FOC/48 IMAGE 512X1824 F275W 1 1 666 1387 1 PAR 1 FOCSY288 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY288 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 886 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 886 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2 686 1387 1 PAR 1 FOCSY212 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY212 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY212 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY212 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY214 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 686 1387 1 PAR 1	FOCSV2Ø8	-	_		IMAGE	512X1Ø24			1	2600	13Ø7	1	PAR	1
FOCSY288 FOC/48 TIMAGE 512X1924 F275W 1 666 1397 1 PAR 1 FOCSY288 FOC/48 TIMAGE 512X1924 F436W 1 1 666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F436W 1 1 806 1397 1 PAR 2 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F436W 1 1 806 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 1 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 2 2666 1397 1 PAR 1 FOCSY216 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY212 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 2 FOCSY212 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY212 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY214 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY218 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY218 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY218 FOC/48 TIMAGE 512X1924 F156W 1 1 806 1397 1 PAR 1 FOCSY218 FOC/	FOCSV2Ø6	-	-			512X1Ø24			1	2600	13Ø7	1	PAR	1
FOCSY228 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY228 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 2 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 2809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 2809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 2809 1807 1 PAR 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY212 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY214 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY218 FOC/48 IMAGE 512X1024 PRISW2 1 1809 1807 1 PAR 1 POCSY218 FOC/48 IMAGE	FOCSV2Ø6	-	-	F0C/48					1	1800	13Ø7	1	PAR	2
FOCSY210	FOCSV2Ø8	-	-	F0C/48					1	600	13Ø7	1		1
FOCSY216 - FOC/48 IMAGE 512X1924 F275W 1 686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F156W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F156W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F275W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F275W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F342W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F342W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F342W 1 2686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F436W 1 1686 1367 1 PAR 1 FOCSY216 - FOC/48 IMAGE 512X1924 F436W 1 1686 1367 1 PAR 2 FOCSY212 - FOC/48 IMAGE 512X1924 F436W 1 1686 1367 1 PAR 2 FOCSY212 - FOC/48 IMAGE 512X1924 F436W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOCSY214 - FOC/48 IMAGE 512X1924 F436W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY214 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY216 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F275W 1 1686 1367 1 PAR 1 1 FOCSY218 - FOC/48 IMAGE 512X1924 F		-	-									_		
FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 868 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F158W 1 2688 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F275W 1 2688 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F275W 1 2688 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 2688 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 2680 1387 1 PAR 1 1 FOCSY218 FOC/48 IMAGE 512X1824 F438W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	-						_					
FOCSY218 - FOC/48 IMAGE 512X1824 F158W 1 2688 1387 1 PAR 1 1   FOCSY218 - FOC/48 IMAGE 512X1824 F276W 1 2688 1387 1 PAR 1 1   FOCSY218 - FOC/48 IMAGE 512X1824 F342W 1 2688 1387 1 PAR 1 1   FOCSY218 - FOC/48 IMAGE 512X1824 F342W 1 2688 1387 1 PAR 1 1   FOCSY218 - FOC/48 IMAGE 512X1824 F342W 1 2688 1387 1 PAR 1 1   FOCSY212 - FOC/48 IMAGE 512X1824 PRISM2 1 1888 1387 1 PAR 1   FOCSY212 - FOC/48 IMAGE 512X1824 PRISM2 1 1 1888 1387 1 PAR 1   FOCSY212 - FOC/48 IMAGE 512X1824 PRISM2 1 1 1888 1387 1 PAR 1   FOCSY212 - FOC/48 IMAGE 512X1824 PRISM2 1 1 1888 1387 1 PAR 1   FOCSY212 - FOC/48 IMAGE 512X1824 PRISM2 1 1 1888 1387 1 PAR 1   FOCSY214 - FOC/48 IMAGE 512X1824 PRISM2 1 1 1888 1387 1 PAR 1   FOCSY214 - FOC/48 IMAGE 512X1824 F438W 1 1 1888 1387 1 PAR 1   FOCSY214 - FOC/48 IMAGE 512X1824 F438W 1 1 1888 1387 1 PAR 1   FOCSY214 - FOC/48 IMAGE 512X1824 F438W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-	-	F0C/48					_					_
FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F342W 1 2860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F430W 1 2860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F430W 1 2860 1307 1 PAR 2 FOCSY212 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F275W 1 2860 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCSY226 - FOC/A8 IMAGE 512X1024 F275W 1 860 1307 1 PAR 1 FOCS		-	-						_					
FOCSY210 - FOC/A8 IMAGE 512X1024 F342W 1 2800 1307 1 PAR 1 FOCSY210 - FOC/A8 IMAGE 512X1024 F430W 1 2800 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSY212 - FOC/A8 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F275W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F342W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F342W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F342W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F342W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F330W 1 2800 1307 1 PAR 1 FOCSY214 - FOC/A8 IMAGE 512X1024 F350W 1 2800 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY216 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY218 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY228 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY228 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY228 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY228 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOCSY228 - FOC/A8 IMAGE 512X1024 F350W 1 800 1307 1 PAR 1 FOC		-	-	F0C/48										
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FOCSV222 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV222 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV222 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV224 - FOCCV24 F275W 1 600 1307 1 PAR 1 FOCSV224 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV224 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F340W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		-	-											
FOCSV222 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV224 - FOCSV24 F0CSV24 F0CSV25 F0CSV26 F		-	, <del>-</del>											
FOCSV222 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV224 - FOCSV224 - FOCSV224 - FOCSV224 - FOCSV224 - FOCSV224 - FOCSV226 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		-	-											
FOCSV224 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 1800 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 1800 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 1800 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		<del>-</del>	-											
FOCSV224 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		-	-											
FOCSV226 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		<b>-</b>	<u>-</u>	F0C/48										_
FOCSV226 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV226 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_	_											
FOCSV228 FOC/48 IMAGE 512X1024 F275W 1 2600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_ _	<u>-</u>	F0C/48										
FOCSV228 FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2			-											_
FOCSV228 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV228 - FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_	_											
FOCSV228 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_	-	F0C/48										
FOCSV228 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV228 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_	_	F0C/48				*				_		
F0CSV228 F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2		_	-											
		-	-						1			_		
	F0CSV23Ø	-	-		IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1

, <b>u</b>			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		Time	ID	Cy.	Req.	Lines
FOCSV23Ø	_		E0C /48	THACE	E10V1@04	EASOW		1	6ØØ	1207	,	DAD	•
FOCSV23Ø	_	-	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F43ØW F15ØW		_	2600	13Ø7 13Ø7	1	PAR Par	1 1
FOCSV23Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W			26ØØ	1307	1	PAR	1
FOCSV23Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F342W			2600	1307	î	PAR	i
FOCSV23Ø	_	_	F0C/48	IMAGE	512X1024	F43ØW			2600	1307	î	PAR	i
FOCSV23Ø	-	-	F0C/48	IMAGE	512X1024	PRISM2			1800	1307	î	PAR	2
FOCSV232	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	î	PAR	ĩ
F0CSV232	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
F0CSV232	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	2
F0CSV234	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	ī
F0CSV234	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	ī
F0CSV234	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	26ØØ	1307	1	PAR	1
FOCSV234	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	26ØØ	13Ø7	1	PAR	1
F0CSV234	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	26ØØ	1307	1	PAR	1
F0CSV234	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	26ØØ	1307	1	PAR	1
FOCSV234	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	2
FOCSV236	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
F0CSV236	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV236	<b>→</b> .	-	F0C/48	IMAGE	512X1Ø24	F275W			2600	13Ø7	1	PAR	1
FOCSV236	-	-	F0C/48	IMAGE	512X1Ø24	F342W			2600	1307	1	PAR	1
F0CSV236	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	13Ø7	1	PAR	2
FOCSV238	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV238		-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV238	-	-	F0C/48	IMAGE	512X1Ø24	F342W			26ØØ	1307	1	PAR	1
FOCSV238	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
FOCSV24Ø FOCSV24Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1 1	6ØØ 18ØØ	1307	1	PAR	1
FOCSV242	_	<u>-</u>	F0C/48	IMAGE IMAGE	512X1Ø24	PRISM2 F15ØW		1	600	13Ø7 13Ø7	1	PAR Par	1 1
F0CSV242	_	_	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2		_	1800	1307	1	PAR	1
FOCSV244	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		i	600	1307	i	PAR	1
FOCSV244	_	_	F0C/48	IMAGE	512X1024	PRISM2		_	1800	1307	i	PAR	ī
FOCSV246	•	_	F0C/48	IMAGE	512X1024	F275W		ī	600	1307	î	PAR	î
FOCSV246	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		_	1800	1307	ī	PAR	ī
F0CSV248	_	-	F0C/48	IMAGE	512X1Ø24	F275W		ĩ	600	1307	ī	PAR	1
F0CSV248		-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	1
F0C\$V25Ø	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV25Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	1
F0CSV252	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV252	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV252	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	26ØØ	1307	1	PAR	1
FOCSV252	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	. 1	PAR	2
FOCSV254	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV254	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307	1	PAR	1
F0CSV254	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	26ØØ	1307	1	PAR	1
FOCSV254	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV256	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV256	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV256	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW			2600	1307	1	PAR	1
FOCSV256	-	-	F0C/48	IMAGE	512X1Ø24	F275W			26ØØ	1307	1	PAR	1
FOCSV256	-	-	F0C/48	IMAGE	512X1Ø24	F342W			2600	1307	1	PAR	.1
FOCSV256	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			2600	1307	1	PAR	1
F0CSV256	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		pec. Req.	Total Lines	
F0CSV258	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1	
FOCSV258	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307		PAR	1	
FOCSV258	_	-	FOC/48	IMAGE	512X1Ø24	F15ØW		1	26ØØ	1307		PAR	1	
FOCSV258	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307		PAR	1	
FOCSV258		_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307		PAR	1	
FOCSV258	<del></del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1307		PAR	1	
FOCSV258	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2	
FOCSV26Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
FOCSV26Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1	
FOCSV26Ø		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2	
FOCSV262	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
FOCSV262	-	-	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F43ØW		1	600 1800	1307 1307		PAR PAR	1 2	
FOCSV282	_	_		IMAGE		PRISM2		1	600	1307		PAR	1	
FOCSV264 FOCSV264	_	_	FOC/48 FOC/48	IMAGE	512X1Ø24 512X1Ø24	F275W PRISM2		1	1800	1307		PAR	1	
FOCSV266		_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1	
F0CSV266	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307		PAR	i	
F0CSV268	_	_	F0C/48	IMAGE	512X1024	F275W		1	600	1307		PAR	i	
FDCSV268	-	_	F0C/48	IMAGE	512X1024	PRISM2		i	1800	1307		PAR	i	
FOCSV27Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		î	600	1307		PAR	î	
FOCSV27Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	ī	
FOCSV272	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī	
FOCSV272	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	ī	
FOCSV274	-		F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
F0CSV274	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	1	
F0CSV276	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1 1	PAR	1	
FOCSV276	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 /	PAR	1	
FOCSV278	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1	
FOCSV278	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1	
FOCSV28Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
FOCSV28Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1	
F0CSV28Ø	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307		PAR	1	
F0CSV28Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1		1307		PAR	2	
FOCSV282	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
FOCSV282	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1	
FOCSV282	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2	
FOCSV284 FOCSV284	-	-	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F275W F43ØW		1 1	6ØØ 6ØØ	13Ø7 13Ø7		PAR PAR	1 1	
	<b>-</b>	<b>-</b>	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307		PAR	2	
FOCSV284 FOCSV286	<del>-</del>	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1	
F0CSV286	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW	•	i	6ØØ	1307		PAR	i	
F0CSV286	_	_	F0C/48	IMAGE	512X1024	PRISM2		i	1800	1307		PAR	2	
F0CSV288	_	_	F0C/48	IMAGE	512X1024	F275W		1	600	1307		PAR	ī	
F0CSV288	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307		PAR	ī	
FOCSV288	_	_	F0C/48	IMAGE	512X1Ø24	F275W		î	2600	1307		PAR	ī	
FOCSV288	_	_	F0C/48	IMAGE	512X1Ø24	F342W		ī	2600	1307		PAR	1	
FOCSV288	_		F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	2	
FOCSV29Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		î	600	1307		PAR	1	
FOCSV29Ø	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307		PAR	1	
FOCSV29Ø	_		F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	13Ø7		PAR	1	
F0CSV29Ø	-	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1 !	PAR	1	
F0CSV29Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2	

Paral	le	Tar	gets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
F0CSV292	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
FOCSV292	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
F0CSV294	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	ī
F0CSV294	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	ī
FOCSV296	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
F0CSV296	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	ī
F0CSV298	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	ī
F0CSV298	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV3ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1
F0CSV3ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV3ØØ	_	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV3ØØ	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV3Ø2	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV3Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43Ø₩		1	600	13Ø7	1	PAR	1
FDCSV3Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F22Ø\		1	1200	13Ø7	1	PAR	1
F0CSV3Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
FOCSV3Ø2	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV3Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	- 1
FDCSV3Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV3Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø7	1	PAR	1
F0CSV3Ø4	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV3Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
F0CSV3Ø8	-	<del>-</del> .	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	1
FOCSV3Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV3Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV3Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV3Ø8	-	-	F0C/48	IMAGE IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2
FOCSV3Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F275W F43ØW		1	2600	1307	1	PAR	1
FOCSV3Ø8 FOCSV3Ø8	-	-	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2		1	12ØØ 18ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV31Ø	7	-	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1 1	PAR PAR	2 1
FOCSV31Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	6ØØ	1307	1	PAR	1
FOCSV31Ø	_	_	F0C/48	IMAGE	512X1024	F275W		i	2600	1307	i	PAR	1
FOCSV31Ø	_	_	F0C/48	IMAGE	512X1024	F342W		i	2600	1307	1	PAR	1
FOCSV31Ø	_	_	F0C/48	IMAGE	512X1024	F43ØW		i	2600	1307	1	PAR	1
FOCSV31Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
FOCSV312	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	ī
F0CSV312	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	î
FOCSV314	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
FOCSV314		-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
FOCSV316	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	ī	PAR	ī
FOCSV316	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	ī	PAR	ī
FOCSV316	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	$\bar{2}$
FOCSV318	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	ī	PAR	- 1
F0CSV318	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	ī	PAR	ī
FOCSV318	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	ī	PAR	2
F0CSV32Ø		_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	ī	PAR	ĩ
F0CSV32Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	ī	PAR	ī
F0CSV322	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
F0CSV322	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
F0CSV322	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
F0CSV324	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
FOCSV324	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	13Ø7	1	PAR	1
FOCSV326	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV326	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV328	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	1
FOCSV326	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
FOCSV326		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	13Ø7		PAR	2
FOCSV328	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
F0CSV328	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV33Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307		PAR	1
F0CSV33Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV332	-	~	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV332	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV334	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
F0CSV334	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV336	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
FOCSV336	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV338		-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV338	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV34Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV34Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ 6ØØ	1307	1	PAR	1
FOCSV342	_	<u>-</u>	F0C/48 F0C/48	IMAGE	512X1Ø24	F15ØW PRISM2		1		1307	1	PAR	1
FOCSV344	_	-		IMAGE	512X1Ø24			1 1	18ØØ 6ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV344 FOCSV344	· _	<b>-</b>	F0C/48	IMAGE IMAGE	512X1Ø24	F15ØW F43ØW		1	6ØØ	1307	1	PAR PAR	1 1
FOCSV344	_	_	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	F15ØW		î	1200	1307	1	PAR	1
FOCSV344		<u>-</u>	F0C/48	IMAGE	512X102 <del>4</del> 512X1024	F22ØW		i	1200	1307	1	PAR	2
F0CSV344	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		i	2600	1307	1	PAR	1
FOCSV344		-	F0C/48	IMAGE	512X1024	F43ØW		i	1200	1307	ī	PAR	i
F0CSV344		_	F0C/48	IMAGE	512X1024	PRISM2		ī	1800	1307	ī	PAR	2
FOCSV346	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	ī
FOCSV346	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
F0CSV348	_	-	F0C/48	IMAGE	512X1Ø24	F342W		ī	2600	1307	1	PAR	ī
FOCSV346	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV348	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	$\bar{1}$
F0CSV348	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307	1	PAR	1
F0CSV348	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR.	2
F0CSV35Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV35Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV352	-		F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV352	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV354	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7		PAR	1
F0CSV354		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV356	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV356	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	1
FOCSV358	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV358	•	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV36Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV36Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV362	-	-	F0C/48	IMAGE	512X1Ø24	F275W	,	1	600	13Ø7		PAR	1
F0CSV362	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV364	_		F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		PAR	1
F0CSV364	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines
FOCSV366	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13ø7	1	PAR	1
FOCSV366	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	1
FOCSV368	-	-	FOC/48	IMAGE	512X1Ø24	F15ØW	•	1	600	13Ø7	1	PAR	1
FOCSV368	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV37Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV37Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV372	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV372	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	. 1
FOCSV374	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
FOCSV374	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV376	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV376	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV378	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV378	. —	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	1
FOCSV38Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV38Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV382	***	7	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV382	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	1	PAR	1
FOCSV382	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			18ØØ	13Ø7	1	PAR	2
FOCSV384	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV384	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2			18ØØ	1307	1	PAR	1
FOCSV386	-		F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	1
FOCSV386	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2			18ØØ	1307	1	PAR	1
FOCSV388	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV388	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	1
FOCSV39Ø	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV39Ø FOCSV392	<del>-</del>	<del>-</del>	FOC/48	IMAGE IMAGE	512X1Ø24	PRISM2		_	1800	1307	1	PAR	1
F0CSV392	<b>-</b>	_	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV392	_	_	FOC/48	IMAGE	512X1024 512X1024	F43ØW F15ØW		1	600 1200	13Ø7 13Ø7	1	PAR PAR	1 1
F0CSV392	_	_	F0C/48	IMAGE	512X1024 512X1024	F22ØW			1200	1307	1	PAR	2
F0CSV392	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW			1200	1307	1	PAR	1
F0CSV392	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2			1800	1307	1	PAR	2
F0CSV394	<u>-</u>	_	FOC/48	IMAGE	512X1024	F15ØW		1	600	1307	i	PAR	1
FOCSV394		_	F0C/48	IMAGE	512X1024	F43ØW		i	600	1307	1	PAR	1
FOCSV394	_	_	F0C/48	IMAGE	512X1024	F22ØW		_	1200	1307	1	PAR	1
FOCSV394	_	-	FOC/48	IMAGE	512X1Ø24	F43ØW			1200	1307	i	PAR	i
F0CSV394	_	_	F0C/48	IMAGE	512X1024	PRISM2			1800	1307	ī	PAR	2
FOCSV396	_		F0C/48	IMAGE	512X1024	F15ØW		ī	600	1307	ī	PAR	ī
FOCSV396	<u>-</u>	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	i
FOCSV396	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		_	1200	1307	ī	PAR	ī
FOCSV396	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	î	PAR	2
FOCSV396	_		F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	i	PAR	ī
FOCSV396	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	ī	PAR	ī
FOCSV396	_		F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	î	PAR	2
FOCSV398	_	-	FDC/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
FOCSV398	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	î	PAR	î
F0CSV398	<b>→</b>	_	F0C/48	IMAGE	512X1Ø24	F15ØW		_	1200	1307	ī	PAR	ī
F0CSV398	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	1	PAR	2
F0CSV398	_	_	F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	ī	PAR	1
FOCSV398	<del>-</del>	_	F0C/48	IMAGE	512X1Ø24	F43ØW		_	1200	1307	ī	PAR	i
FOCSV398	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	ī	PAR	2 .
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
F0CSV4ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV4ØØ	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV4Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV4Ø2	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV4Ø4	-	-	FOC/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV4Ø4	~	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV4Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV4Ø6	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV4Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV4Ø8	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV41Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		PAR	1
F0CSV410	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2 F15ØW		1	1800	1307	1	PAR	1
F0CSV412	-	-	F0C/48	IMAGE IMAGE	512X1024	PRISM2		1	600 1800	1307	1	PAR	1
FOCSV412 FOCSV414	-	_	FOC/48 FOC/48	IMAGE	512X1Ø24 512X1Ø24	F15ØW		1 1	600	13Ø7 13Ø7	1	PAR	1
FOCSV414	-	-	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	6ØØ	1307	1	PAR PAR	1
FOCSV414	<u>-</u>	_	FOC/48	IMAGE	512X1024 512X1024	F15ØW		i	1200	1307	1	PAR	. 1
F0CSV414	_	_	F0C/48	IMAGE	512X1024 512X1024	F22ØW		i	1200	1307	1	PAR	1 2
F0CSV414	_	_	F0C/48	IMAGE	512X1024	F275W		i	2600	1307	i	PAR	1
FOCSV414	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	1200	1307	i	PAR	i
FOCSV414	_	<u> </u>	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	î	PAR	2
FOCSV416	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	î	PAR	ī
FOCSV416	-	_	FOC/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	î
FOCSV418	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
F0CSV418	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	ī
F0CSV42Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	ī
F0CSV42Ø	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307	1	PAR	1
F0CSV42Ø	· _	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV42Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV422	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
F0CSV422	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV422	· <del>-</del>	· <del>-</del> .	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV422	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV424	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV424	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV424	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV426	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV428	. <del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV426	-	-	F0C/48	IMAGE	512X1Ø24	F342W PRISM2		1	2600	1307	1	PAR	1
FOCSV428	-	-	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F15ØW		1	1800	1307	1	PAR	2
FOCSV428	-	-		IMAGE	512X1024 512X1024	F43ØW		1 1	6ØØ 6ØØ	1307	1	PAR	1
FOCSV428 FOCSV428	-	-	F0C/48 F0C/48	IMAGE	512X1024 512X1024	F22ØW		i	1200	13Ø7 13Ø7	1 1	PAR PAR	1
F0CSV428	7	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	1200	1307	1	PAR	1 1
FOCSV428	<del>-</del>		F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR	2
FOCSV43Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1	PAR	1
F0CSV43Ø		_	F0C/48	IMAGE	512X1024	F43ØW		ī	600	1307	1	PAR	1
FOCSV43Ø			F0C/48	IMAGE	512X1024	PRISM2		i	1800	1307	i	PAR	2
F0CSV432	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	· 1
F0CSV432	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	1	PAR	i
F0CSV432	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	î	PAR	2
FOCSV434	_	-	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī
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Parallel Target	S
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines	
F0CSV434	_		E00 /40	TWA 05	E10V1004	E 40 GW			0.00	1007		545		
FOCSV434	_	<u>-</u>	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24	F43ØW		1	6ØØ 18ØØ	1307	1	PAR	1	
FOCSV436	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2 F15ØW		1 1	600	13Ø7 13Ø7	1	PAR	2	
FOCSV438	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F43ØW		1	600	1307	1	PAR	1	
F0CSV438	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR PAR	1	
F0CSV438	_	-	F0C/48	IMAGE	512X1024 512X1024	F275W		i	600	1307		PAR	2 1	
F0CSV438	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	600	1307	1	PAR	1	
F0CSV438	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR	2	
F0CSV44Ø		_	F0C/48	IMAGE	512X1024	F275W		î	600	1307	1	PAR	1	
F0CSV44Ø	· <u> </u>	_	F0C/48	IMAGE	512X1024	F43ØW		î	600	1307	1	PAR	1	
FOCSV44Ø	_	_	F0C/48	IMAGE	512X1024	PRISM2		_	1800	1307	i	PAR	2	
F0CSV442	<u>-</u> ·	· —	F0C/48	IMAGE	512X1024	F150W		ī	600	1307	i	PAR	1	
F0CSV442	_	_	F0C/48	IMAGE	512X1024	PRISM2		i	1800	1307	1	PAR	1	
FOCSV444	_	_	FOC/48	IMAGE	512X1024	F275W		i	600	1307	ī	PAR	1	
FOCSV444	_	_	F0C/48	IMAGE	512X1024	PRISM2		ī	1800	1307	ī	PAR	1	
FDCSV446	_	_	F0C/48	IMAGE	512X1024	F275W		ī	600	1307	i	PAR	1	
F0CSV448	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	i	PAR	1	
FOCSV448	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	î	PAR	1	
F0CSV448	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī	
F0CSV448	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2	
F0CSV45Ø	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī	
F0CSV45Ø	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī	
F0CSV45Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	ī	PAR	2	
F0CSV452	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī	
F0CSV452	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	ī	PAR	ī	
F0CSV452	<u>-</u>	_	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	ī	PAR	2	
FOCSV454	· <del>-</del>	-	F0C/48	IMAGE	512X1024	F275W		ī	600	1307	1	PAR	ī	
F0CSV454	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	ī	
F0CSV454	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	2	
F0CSV456	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1	
F0CSV458	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1	
F0CSV458	-	-	FOC/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV458	-	-	F0C/48	IMAGE	512X1 <b>024</b>	F275W		1	600	1307	1	PAR	1	
FOCSV458	-		F0C/48	IMAGE	512X1 <b>024</b>	F43ØW		1	600	13Ø7	1	PAR	1	
FOCSV458	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2	
FOCSV46Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1	
FOCSV48Ø	-	-	FOC/48	IMAGE	512X1Ø24	F43ØW	•	1	600	13Ø7	1	PAR	1	
FOCSV46Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV482	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1	
F0CSV462	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1	
FOCSV462	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV464	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1	
FOCSV464	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1	
FOCSV464	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	2	
FOCSV466	-	-	F0C/48	IMAGE	512X1Ø24	F275\		1	6ØØ	13Ø7		PAR	1	
F0CSV466	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1	
FOCSV466	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2	
FOCSV468	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		PAR	1	
F0CSV468	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		PAR	1	
F0CSV468	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV47Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1	
FOC\$V47Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1	
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•	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Anontuno	Spectral Element	Central	No.	Exp.	TO		Spec.	Total
Target	KA (2000)	Dec (2000)	coning.	Mode	Aperture	Ciement	Wave.	EXP	. Time	ID	cy.	Req.	Lines
F0CSV47Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV472	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	i	PAR	ī
F0CSV472	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
FOCSV472	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
FOCSV474	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	1
FOCSV474	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ĩ	PAR	ī
FOCSV474	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	2
F0CSV478	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV476	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV478	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
F0CSV476	-	-	FOC/48	IMAGE	512X1Ø24	F22Ø\		1	1200	1307	1	PAR	2
FOCSV476	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
F0CSV476	-	-	FOC/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
F0CSV476	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV478	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV478	_	-	FOC/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV478	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
F0CSV478	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	2
F0CSV478	-	-	FOC/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
F0CSV478	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV478	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	. 2
FOCSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV48Ø	<b>-</b> ,	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
F0CSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2
FOCSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
F0CSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV48Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV482	<del>-</del> .	-	F0C/48	IMAGE IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV482	7	-	FOC/48	IMAGE	512X1Ø24 512X1Ø24	F43ØW F275W		1	600	1307	1	PAR PAR	1 1
FOCSV482	-		FOC/48 FOC/48	IMAGE	512X1024 512X1024	F342W		1 1	26ØØ 26ØØ	1307 1307	1 1	PAR	1
F0CSV482	-	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	2600	1307	1	PAR	1
FOCSV482 FOCSV482	<u>-</u>	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		i	1800	1307	1	PAR	2
FOCSV484			F0C/48	IMAGE	512X1024	F15ØW		1	600	1307	1	PAR	1
FOCSV484	_	_	F0C/48	IMAGE	512X1024	F43ØW		i	600	1307	î	PAR	ī
F0CSV484	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	1200	1307	ī	PAR	ī
F0CSV484	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW		i	1200	1307	î	PAR	2
FOCSV484	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	1307	ī	PAR	ī
F0CSV484	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	1200	1307	ī	PAR	ī
FOCSV484	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
F0CSV486	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	1
FOCSV486	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
F0CSV486	_	_	F0C/48	IMAGE	512X1024	F15ØW		ī	2600	1307	ī	PAR	1
FOCSV486		_	F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	1307	ī	PAR	ī
FOCSV486	_	-	F0C/48	IMAGE	512X1Ø24	F342W		ī	2600	1307		PAR	ī
FOCSV486	<b></b> , ,	<b>-</b> .	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2600	1307	ī	PAR	ī
FOCSV486		· .	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
FOCSV488	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	1
F0CSV488	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	1	PAR	1
FOCSV488	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
FOCSV49Ø	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
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Target RA(2889) Dec(2809) Target RA(2890) Dec(28009) Tart: Dec(28009) Tart: Dec(28009) Dec(28009) Tart: Dec(28009) Dec(28009) Tart: Dec(28009) Dec(28009) Dec(28009) Tart: Dec(28009) Dec(2	•									_			_	
FOCSV4908 FOC/48 IMAGE \$12X1874 F430W 1 808 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F150W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F150W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F342W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F342W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F750W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F750W 1 2508 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X1824 F750W 1 1608 1807 1 PAR 1 FOCSV4902 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4904 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4904 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4904 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4904 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV4908 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV5008 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV5008 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV5008 FOC/48 IMAGE \$12X18024 F750W 1 1608 1807 1 PAR 1 FOCSV5008 FOC/48 IMAGE \$12X18024 F750W 1 16	Target	RA (2000)	Dec (2000)	Inst.	Operating	Apartura	Spectral Element	Central Waye	No.	Exp.	TO			Total
FOCSY499 FOC/48 IMAGE SIZXI824 FISOW 1 2 celes 1897 1 PAR 1 1 POCSY499 FOC/48 IMAGE SIZXI824 FISOW 1 2 celes 1397 1 PAR 1 1 POCSY490 FOC/48 IMAGE SIZXI824 FISOW 1 2 celes 1307 1 PAR 1 1 POCSY490 FOC/48 IMAGE SIZXI824 FISOW 1 2 celes 1307 1 PAR 1 1	rai geo	NA (ZDDD)	Dec (2000)	coming.	MOGE	Apericare	L i emen c	mave.	Exp		10	Cy.	Req.	Lines
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FOCSV512 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 1600 1307 1 PAR 1 FOCSV518 - FOCSV518 F430W 1 1600 1307 1 PAR 1 FOCSV518 F430W 1 1600 1307 1 PAR		_	-									_		
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FOCSV514 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV514 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 F0CSV514 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 FOCSV514 FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV514 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV516 FOC/48 IMAGE 512X1024 F150W 1 800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1800 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV512	-	-											
FOCSV514 FOC/48 IMAGE 512X1024 F430W 1 1000 1307 1 PAR 1 FOCSV514 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 FOCSV514 FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV516 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	FOCSV514	-	-		IMAGE		F15ØW							
F0CSV514 F0C/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV514 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV514 F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV516 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1	F0CSV514	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW							
F0CSV514 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F150W 1 1800 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1		-	_											
FOCSV514 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV516 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 800 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F200W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 FOCSV516 - FOC/48 IMAGE 512X1024 F430W 1 1800 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV518 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV514	-	_				F43ØW							
FOCSV516 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV514	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2							
FOCSV516 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 F0CSV516 - FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV516 - FOC/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV516	-	_		IMAGE		F15ØW							_
F0CSV516 F0C/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1 F0CSV516 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV518	-	_				F43ØW							
F0CSV516 F0C/48 IMAGE 512X1024 F430W 1 1200 1307 1 PAR 1 F0CSV516 - F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV518 - F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 - F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV516	_	-	F0C/48										
F0CSV516 F0C/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 F0CSV518 F0C/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 F0CSV518 F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV516	-	-	F0C/48			F43ØW							
F0CSV518 F0C/48 IMAGE 512X1Ø24 F15ØW 1 6ØØ 13Ø7 1 PAR 1 F0CSV518 F0C/48 IMAGE 512X1Ø24 F43ØW 1 6ØØ 13Ø7 1 PAR 1	F0CSV516	-	-		IMAGE									
F0CSV518 F0C/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1	F0CSV518	-	-	F0C/48										
	F0CSV518	-	-											
	F0CSV518	-	-		IMAGE	512X1Ø24	F22ØW							

													1-600
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
FOCSV518	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
FOCSV518	<del>-,</del>	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV52Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
FOCSV52Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV52Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	13Ø7	1	PAR	1
F0CSV52Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
FOCSV52Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV522	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV522	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV522	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200 1200	1307	1	PAR	1
FOCSV522		-	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24	F43ØW PRISM2			1800	13Ø7 13Ø7	1	PAR PAR	1
FOCSV522 FOCSV524	_	_	F0C/48	IMAGE	512X1Ø24			1	600	1307	1	PAR	2 1
F0CSV524	_	_	F0C/48	IMAGE	512X1024	F15ØW F43ØW		1	600	1307	1	PAR	1
F0CSV524	_	Ξ	F0C/48	IMAGE	512X1024 512X1024	F22ØW			1200	1307	i	PAR	1
F0CSV524	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW			1200	1307	1	PAR	i
F0CSV524	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2			1800	1307	ī	PAR	2
F0CSV526	_	_	F0C/48	IMAGE	512X1024 512X1024	F15ØW		ī	600	1307	i	PAR	1
F0CSV526	_	-	F0C/48	IMAGE	512X1024	F43ØW		ī	600	1307	i	PAR	i
FOCSV526	**-	_	F0C/48	IMAGE	512X1024	F22ØW			1200	1307	ī	PAR	i
FOCSV526	_	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	13Ø7	1	PAR	ī
FOCSV526	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		_	1800	1307	ī	PAR	2
FOCSV528	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	13Ø7	1	PAR	ī
FOCSV528	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	13Ø7	1	PAR	ī
FOCSV528	-	_	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	ī
FOCSV528	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
FOCSV528	_		F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV53Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV53Ø	-	-	FDC/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	,1
FOCSV53Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	13Ø7	1	PAR	1
F0CSV53Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		_	1200	1307	1	PAR	1
FOCSV53Ø	-		F0C/48	IMAGE	512X1Ø24	PRISM2			1800	13Ø7	1	PAR	2
F0CSV532	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV532	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV532	-	-	F0C/48	IMAGE	512X1Ø24	F22Ø\			1200	13Ø7	1	PAR	1
FOCSV532	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	13Ø7	1	PAR	1
FOCSV532	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
FOCSV534	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV534	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV534	_	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	1	PAR	1
F0CSV534	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
FOCSV534	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		-	18ØØ 6ØØ	1307	1	PAR PAR	2
FOCSV536	₹	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7 13Ø7	1		1 1
FOCSV536	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200		1	PAR	i
FOCSV538	<del>-</del>	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	13Ø7 13Ø7	1	PAR PAR	1
FOCSV536	<u>-</u>	_	FOC/48 FOC/48	IMAGE	512X1Ø24	F43ØW			1800	1307	1	PAR	2
F0CSV536 F0CSV538	· -	· -	F0C/48	IMAGE IMAGE	512X1Ø24	PRISM2 F150W		1	600	1307	1	PAR	1
FOCSV538	_		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	i
F0CSV538	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F22ØW			1200	1307	1	PAR	1
F0CSV538	<u>-</u>	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	1200	1307	1	PAR	i
FOCSV538	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2			1800	1307	i	PAR	2
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			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
FOCSV54Ø	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV54Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	ī	PAR	ī
FOCSV54Ø	-	_	F0C/48	IMAGE	512X1Ø24	F22ØW		ī	1200	1307	ī	PAR	î
FOCSV54Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV54Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	2
FOCSV542	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV542	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV542	-	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	1
FOCSV542	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
F0CSV542	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV544	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV544	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV544	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	1
FOCSV544	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	13Ø7	1	PAR	1
FOCSV544	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
FOCSV546	=	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV548	-	-	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV548 FOCSV548	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F22ØW F43ØW			1200	1307	1	PAR	1
FOCSV546	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2			1200	1307	1	PAR	1 2
FOCSV548	_	_	F0C/48	IMAGE	512X1024	F15ØW		1	18ØØ 6ØØ	13Ø7 13Ø7	1	PAR PAR	1
FOCSV548	_		F0C/48	IMAGE	512X1024	F43ØW		i	600	1307	1	PAR	1
FOCSV548	_	-	F0C/48	IMAGE	512X1Ø24	F22ØW		-	1200	1307	i	PAR	i
FOCSV548	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	i	PAR	ī
F0CSV548	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	î	PAR	2
F0CSV55Ø	-	•••	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
F0CSV55Ø	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ĩ	600	1307	1	PAR	1
FOCSV55Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22Ø\		1	1200	13Ø7	1	PAR	1
FOCSV55Ø	-	- ,	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
FOCSV55Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV552	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	8ØØ	13Ø7	1	PAR	1
FOCSV552	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV552	**	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	13Ø7	1	PAR	1
FOCSV552		-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
FOCSV552	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
FOCSV554	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV554 FOCSV554	-	<del>-</del>	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F43ØW F22ØW		1	600	1307	1	PAR	1
FOCSV554	_	_	F0C/48 F0C/48	IMAGE	512X1024 512X1024	F43ØW			1200	1307	1	PAR	1
FOCSV554	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2			12ØØ 18ØØ	13Ø7 13Ø7	1	PAR PAR	1 2
F0CSV556	_	_	F0C/48	IMAGE	512X1024	F275W		1 1	600	1307	1	PAR	1
F0CSV556	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307	1	PAR	i
F0CSV556	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW			2600	1307	1	PAR	i
F0CSV556	-	_	F0C/48	IMAGE	512X1024	F275W			2600	1307	1	PAR	1
FOCSV556	_	_	F0C/48	IMAGE	512X1Ø24	F342W			2600	1307	1	PAR	1
FOCSV556	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		_	2600	1307	1	PAR	i
FOCSV556	-	. <b>-</b>	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	î	PAR	2
FOCSV558	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		i	600	1307	î	PAR	ī
F0CSV558	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	î	PAR	ī
F0CSV558	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		_	1200	1307	ī	PAR	ī
FOCSV558	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	ī	PAR	2
FOCSV558	-	-	F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	1	PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines	
F0CSV558	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1	
FOCSV558	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1	
FOCSV56Ø	-	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7	1	PAR	1	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	_	PAR	1	
FOCSV56Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV562	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1	
F0CSV562	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1	
F0CSV562	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7	1	PAR	1	
F0CSV562	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2	
F0C\$V562	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1	
F0CSV562		-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1	
FOCSV562	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV564	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1	
FOCSV564	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1	
FOCSV584	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW F275W		1 1	26ØØ 26ØØ	1307	1 1	PAR	1	
F0CSV564 F0CSV564	-	-	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F342W		i	2600	13Ø7 13Ø7	1	PAR	1	
FOCSV564	_	7	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	2600	1307	1	PAR PAR	1	
FOCSV564	<u>-</u>	-	F0C/48 F0C/48	IMAGE IMAGE	512X1024 512X1024	PRISM2		i	1800	1307	1	PAR	1 2	
FOCSV568	<del>-</del>	-		IMAGE	512X1024 512X1024	F275W		i	600	1307	1	PAR	1	
F0CSV588	_	_	FOC/48 FOC/48	IMAGE	512X1024 512X1024	F43ØW		i	600	1307	1	PAR	1	
FOCSV588	_	_	FOC/48	IMAGE	512X1024 512X1024	F15ØW		i	2600	1307	1	PAR	1	
F0CSV566	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		i	2600	1307	i	PAR	i	
F0CSV566	_	_	F0C/48	IMAGE	512X1024	F342W		ī	2600	1307	1	PAR	i	
FOCSV566	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2600	1307	i	PAR	ī	
FOCSV566	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	î	PAR	2	
FOCSV568	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	ī	
FOCSV568	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ĩ	600	1307	ī	PAR	. ī	
FOCSV568	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	2600	1307	ī	PAR	ī	
FOCSV568			F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	ī	PAR	ī	
FOCSV568	_	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	ī	PAR	ī	
F0CSV568	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1307	1	PAR		
FOCSV568		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
F0CSV57Ø	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1	
F0CSV57Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	1	PAR	1	
F0CSV57Ø	-	~	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7	1	PAR	1	
FOCSV57Ø	-	_	F0C/48	IMAGE	512X1Ø24	F22ØW	•	1	1200	1307	1	PAR	2	
F0CSV57Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1	
F0CSV57Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1	
FOCSV57Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2	
FOCSV572	-	-	F0C/48	IMAGÉ	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1	
FOCSV572	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1	
FOCSV572	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1	
FOCSV572	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	2	
FOCSV572	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1	
FOCSV572	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1	
F0CSV572	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2	
FOCSV574	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1	

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
FOCSV574	_		F0C/48	IMAGE	E10V1004	E 4 2 GW		•	600	1307		DAD	•
FOCSV574	_	-	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F43ØW F15ØW		1 1	1200	1307	1 1	PAR PAR	1 1
FOCSV574	_	_	F0C/48	IMAGE	512X1024 512X1024	F22ØW			1200	1307	1	PAR	2
F0CSV574	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	2600	1307	1	PAR	1
F0CSV574	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		i	1200	1307	1	PAR	1
FOCSV574	_	_	F0C/48	IMAGE	512X1024	PRISM2		î	1800	1307	ī	PAR	2
FOCSV576	_	· •	F0C/48	IMAGE	512X1024	F15ØW		i	600	1307	ī	PAR	1
F0CSV576	-	_	F0C/48	IMAGE	512X1024	F43ØW		î	600	1307	î	PAR	î
FOCSV576	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		_	1200	1307	ī	PAR	ī
FOCSV576	-	_	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	.1	PAR	2
FOCSV576	_	-	F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	1307	1	PAR	ĩ
FOCSV576	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		_	1200	1307	ī	PAR	ī
FOCSV576	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	ī	PAR	2
FOCSV578	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	- 1
FOCSV578	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ĩ	600	1307	1	PAR	ī
FOCSV578	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		_	1200	1307	1	PAR	ī
FOCSV578	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	1	PAR	2
FOCSV578	-	<del></del>	F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	1	PAR	1
FOCSV578	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
FOCSV578	_	- ***	F0C/48	IMAGE	512X1Ø24	PRISM2			18ØØ	1307	1	PAR	2
FOCSV58Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV58Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV58Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV58Ø	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2
F0CSV58Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV58Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV582	-		F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV582	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV582	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV582	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV594	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV594	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV594	_	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV594	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV596	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV596	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV596	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV598	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV6Ø4	₹	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV6Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV6Ø4			F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV6Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	1307	1	PAR	2
FOCSV6Ø4	<del>.</del>	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FOCSV6Ø4	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
FOCSV6Ø4	-	<b>-</b>	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV6Ø6		_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV6Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV6Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV6Ø6	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV6Ø8	-	-	F0C/48	IMAGE	512X1Ø24	, F275W		1	600	1307	1	PAR	1
FOCSV6Ø8	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV6Ø8	-	<b>-</b> .	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2

			Inst.	Operating	*	Spectral	Central	No.	Exp.		5	Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
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FOCSV61Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV61Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV612	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV612	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV612	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7	1	PAR	1
FOCSV612	-	_	F0C/48	IMAGE	512X1Ø24	F22Ø\		1	1200	13Ø7	1	PAR	2
FOCSV612	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FDCSV612	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
FOCSV612	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV614	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV814	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV614	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV614	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV818	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV616	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1
FOCSV616	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	2
FOCSV618	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	13Ø7	ī	PAR	1
FOCSV618		_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	ī	PAR	ī
F0CSV62Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī
FOCSV62Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
F0CSV622	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	13Ø7	i	PAR	ī
F0CSV622	_	_	FOC/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307		PAR	î
F0CSV622	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	1307	ī	PAR	ī
F0CSV622	_	_	F0C/48	IMAGE	512X1Ø24	F342W		i	2600	1307	ī	PAR	i
F0CSV622	_		F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	ī	PAR	2
F0CSV624	_	_	FOC/48	IMAGE	512X1Ø24	F275W		i	600	1307	i	PAR	1
F0CSV624	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	1	PAR	î
F0CSV624	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	i
FOCSV626		_	F0C/48	IMAGE	512X1024	F43ØW		i	6ØØ	1307		PAR	1
	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307		PAR	1
FOCSV828	_	<u>-</u>	F0C/48	IMAGE	512X1024	F22ØW		1	1200	1307	1	PAR	2
FOCSV626	_	_	F0C/48	IMAGE	512X1024	F43ØW					1		
FOCSV626	_	-	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1200	1307	1	PAR	1 2
FOCSV626	-	-	FOC/48	IMAGE	512X1024 512X1024	F15ØW		1	1800	1307	1	PAR	
FOCSV628	-	-		IMAGE	512X1024 512X1024	F43ØW		1	600	1307	1	PAR	1
FOCSV628	-	-	F0C/48 F0C/48	IMAGE	512X1024 512X1024	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV628	-	-	FUC/48	IMAGE		F22ØW		1	1200	1307	1	PAR	1
F0CSV628	-	-	F0C/48		512X1Ø24			1	1200	13Ø7	1	PAR	2
F0CSV628	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV628	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV63Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV63Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV63Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
F0CSV63Ø	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	26ØØ	13Ø7	1	PAR	1
F0CSV63Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV632	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV632	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	. 1
FOCSV632		- '	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FOCSV632	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV632	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV634	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV634	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV634	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
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Para	llel	Targets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp	Exp.	ID	Cy.	Spec. Req.	Total Lines
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FOCSV634	_	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	2
F0CSV634	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
F0CSV634		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV636	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV636		-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	1	PAR	1
FOCSV636	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	1307	1	PAR	1
F0CSV636	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
FOCSV636	-	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV636	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø7	1	PAR	1
FOCSV636	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV638	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV638	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV638		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV64Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV64Ø		-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV64Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV642	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV642	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV642	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV644	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV644	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	. 1
FOCSV644 FOCSV646	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1 1	1800	1307	1	PAR	2
F0CSV646	-	-	F0C/48	IMAGE IMAGE	512X1Ø24	F275W F43ØW			6ØØ 6ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV646	<del>-</del>	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1 1	1800	1307	1	PAR	1
F0C\$V648	_	<u>-</u>	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	F275W		i	600	1307	1	PAR PAR	2
F0CSV648	_	. <u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F43ØW		i	6ØØ	1307	1	PAR	1 1
F0CSV648	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR	2
FOCSV65Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307	ī	PAR	1
F0CSV65Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		î	600	1307	ī	PAR	ī
F0CSV65Ø	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	2600	1307	ī	PAR	i
F0CSV65Ø		-	F0C/48	IMAGE	512X1Ø24	F342W		ī	2600	1307	ī	PAR	ī
F0CSV65Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	2
F0CSV652		_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV652	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	ī
F0CSV652		-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	26ØØ	13Ø7	1	PAR	1
F0CSV652	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	26ØØ	13Ø7	1	PAR	1
F0CSV652	_	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV652	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1307	1	PAR	1
F0CSV652	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	13Ø7	1	PAR	2
FOCSV654	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV654	-	-	F0C/48	IMAGE	512X1Ø24	F43Ø\		1	6ØØ	13Ø7	1	PAR	1
F0CSV654	_	-	F0C/48	IMAGE	512X1Ø24	F15Ø\		1	26ØØ	13Ø7	1	PAR	1
F0CSV654	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
FOCSV654	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
FOCSV654	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	26ØØ	13Ø7	1	PAR	1
FOCSV654	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV656	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV658	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV656	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	13Ø7	1	PAR	1
FOCSV656		-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
F0CSV656	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. . Time	ID	Cy.	Spec. Req.	Total Lines
FOCSV656	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø7	1	PAR	1
FOCSV656	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV658	-	-	FOC/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
F0CSV658	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		PAR	1
F0CSV658	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	1307		PAR	1
F0CSV658	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307		PAR	1
FOCSV658	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7		PAR	1
F0CSV658	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø7		PAR	1
F0CSV658	-	~	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1'3Ø7		PAR	2
F0CSV66Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV66Ø	=	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1
F0CSV66Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	1307		PAR	1
FOCSV66Ø	-	•	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	_	PAR	1
F0CSV66Ø	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307		PAR	1
FOCSV66Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1307		PAR	1
FOCSV66Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2
FOCSV862	-	_	FOC/48 FOC/48	IMAGE	512X1Ø24	F275W		1 1	6ØØ 6ØØ	13Ø7 13Ø7		PAR PAR	1
F0CSV662 F0CSV662	<u>-</u>	_	F0C/48	IMAGE IMAGE	512X1Ø24	F43ØW		1	2600	1307		PAR	1 1
F0CSV662	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	F15ØW		1	2600	1307		PAR	i
F0CSV662	=	_	F0C/48	IMAGE	512X1024 512X1024	F275W F342W		1	2600	1307		PAR	1
F0CSV662	_	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		i	2600	1307		PAR	1
F0CSV662	_	-	FOC/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	2
F0CSV684	_	_	FOC/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī
F0CSV684	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		· î	1800	1307		PAR	ī
F0CSV666	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī
FOCSV666	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	ī
FOCSV668	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
FOCSV668	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV67Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV87Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV67Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
F0CSV672	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV672	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV674	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV874	-	-	FOC/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
F0CSV676	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
F0CSV676	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
F0CSV678	· -	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV678	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV68Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV68Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV682	-		F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
FOCSV682	-	<del>-</del>	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	PRISM2		1 1	18ØØ 6ØØ	13Ø7 13Ø7		PAR PAR	1 1
F0CSV684 F0CSV684	-	<del>-</del>	F0C/48	IMAGE	512X1024 512X1024	F15ØW PRISM2		1	1800	1307		PAR	1
FOCSV688		<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1
F0CSV686		· <del>-</del>	F0C/48	IMAGE	512X1024 512X1024	PRISM2		i	1800	1307		PAR	1
F0CSV688	_	_	F0C/48	IMAGE	512X1024 512X1024	F15ØW		1	600	1307	i	PAR	i
FOCSV688	-	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		ī	1800	1307	ī	PAR	i
FOCSV69Ø	-	_	F0C/48	IMAGE	512X1024 512X1024	F275W		i	600	1307		PAR	i
F0CSV69Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	ī

Paral	lel 1	Targ	ets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
F0CSV692	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
F0CSV692	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV694	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1
F0CSV694	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV696	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
FOCSV696	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	1
FOCSV698	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7		PAR	1
F0CSV698		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV7ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV7ØØ	-	-	FDC/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV7Ø2	-	-	F0C/48	IMAGE IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV7Ø2	<b>-</b>	-	FOC/48 FOC/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2 F15ØW		1	1800	1307		PAR	1
FOCSV7Ø4 FOCSV7Ø4	<u>-</u>	<del></del>	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1 1	600 1800	13Ø7 13Ø7	1	PAR PAR	1 1
F0CSV7Ø6	_	_	F0C/48	IMAGE	512X1024	F275W		1	600	1307	1 1	PAR	1
F0CSV7Ø6	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		i	1800	1307	1	PAR	1
FOCSV7Ø8	_	_	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307		PAR	i
FOCSV7Ø8	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		î	1800	1307	1	PAR	i
FOCSV71Ø		-	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307	ī	PAR	ī
FOCSV71Ø	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
FOCSV712	-	_	F0C/48	IMAGE	512X1Ø24	F275₩		1	600	1307	1	PAR	ī
F0CSV712	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	1	PAR	1
F0CSV714	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV714	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV716	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV718	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV718		-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV718	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV72Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV72Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV722	-	-	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F275W PRISM2		1	600	1307	1	PAR	1
F0CSV722 F0CSV724	<u>-</u>	_	FOC/48 FOC/48	IMAGE	512X1024 512X1024	F15ØW		1	18ØØ 6ØØ	13Ø7 13Ø7	1 1	PAR	1 1
F0CSV724	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1 1	1800	1307	1	PAR PAR	1
F0CSV726	_	_	F0C/48	IMAGE	512X1024	F275W		i	600	1307	1	PAR	i
F0CSV726	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		î	1800	1307	ī	PAR	i
F0CSV728	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307		PAR	ī
F0CSV728	<b>-</b>	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ī
F0CSV73Ø	-	_	F0C/48	IMAGE	512X1Ø24	F275\		ī	600	1307	1	PAR	1
F0CSV73Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
F0CSV732	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	1307	1	PAR	1
F0CSV732	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV734	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV734	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	. 1	PAR	1
F0CSV734	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	1
F0CSV734	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
FOCSV734	-		F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV738	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7		PAR	1
F0CSV736	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV736	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	1
FOCSV738	-	_	FOC/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7		PAR	1
F0CSV738	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time			Spec. Req.	Total Lines
F0CSV738		_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV738	_	-	FOC/48	IMAGE	512X1024 512X1024	PRISM2		ī	1800	1307	_	PAR	i
FOCSV74Ø	<b>-</b>	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307		PAR	i
FOCSV74Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	ī
FOCSV742	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		PAR	î
FOCSV742	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	_	PAR	ī
FOCSV744	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		PAR	ī
FOCSV744	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	ī
FDCSV746	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7		PAR	ī
FOCSV746	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV748	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV748	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV75Ø	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV75Ø	-	_ '	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307	1	PAR	1
F0CSV75Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV75Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	2
FOCSV75Ø	-	~	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1
F0CSV75Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	-	PAR	2
F0CSV752	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
F0CSV752	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV752	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7		PAR	1
FOCSV752	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307		PAR	1
F0CSV752	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
F0CSV754	-		F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
FOCSV754	-	· <b>-</b>	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	_	PAR	1
FOCSV754	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2
F0CSV756	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV758	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1 1	600 2600	1307		PAR	1
FOCSV758	-	-	F0C/48	IMAGE	512X1Ø24	F275W F342W		_	2600	1307		PAR	1
FOCSV758	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	13Ø7 13Ø7		PAR PAR	1
FOCSV758		-	F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2		1 1	1800	1307		PAR	1 2
FOCSV758 FOCSV758	-	-	FOC/48 FOC/48	IMAGE IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1
FOCSV758	<del>-</del>	_		IMAGE	512X1024 512X1024	F43ØW		i	600	1307	1	PAR	1
FOCSV758	_	<u>-</u>	FOC/48 FOC/48	IMAGE	512X1024 512X1024	F15ØW		i	2600	1307		PAR	1
FOCSV758	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		î	2600	1307	_	PAR	i
FOCSV758	_	_	F0C/48	IMAGE	512X1Ø24	F342W		î	2600	1307		PAR	i
FOCSV758	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2600	1307		PAR	î
FOCSV758	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	13Ø7		PAR	2
FOCSV76Ø	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	ī
FOCSV76Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		PAR	ī
FOCSV76Ø	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2600	13Ø7		PAR	ī
FOCSV76Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	_	PAR	ī
F0CSV76Ø	-	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7		PAR	ī
FOCSV76Ø	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2600	1307		PAR	ī
FOCSV76Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
FOCSV762		_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	· ī
FOCSV762	_		F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	13Ø7		PAR	1
FOCSV762	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	13Ø7		PAR	2
FOCSV764	_	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	13Ø7		PAR	1
FOCSV764	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		PAR	1
FOCSV784	-	-	FOC/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
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Para	U	le	l Ta	rge	ts
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
FOCSV764	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1 PAR	2
F0CSV766	-	-	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		1
F0CSV766	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1 PAR	1
F0CSV766	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1 PAR	1
F0CSV766	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1 PAR	1
F0CSV768	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 PAR	2
F0CSV768	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1 PAR	1
F0CSV768	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		1
F0CSV77Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275\		1	600	1307	1 PAR	1
F0CSV77Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		1
FOCSV772	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		1
F0CSV772	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 PAR	1
F0CSV774	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1 PAR	1
F0CSV774	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 PAR	1
FOCSV776	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		1
FOCSV776	· <del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		1
FOCSV778	-		F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1 PAR	1
FOCSV776	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		2
FOCSV778	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		1
FOCSV778	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		1
FOCSV78Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		1
FOCSV78Ø FOCSV782	<u>-</u>		F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 PAR	1
F0CSV782	_	_	FOC/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7 13Ø7	1 PAR 1 PAR	1
FOCSV784	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2 F15ØW		1 1	1800 600	1307	1 PAR 1 PAR	1 1
FOCSV784	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307		1
F0CSV786		-	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307	1 PAR	i
F0CSV786	_	_	FOC/48	IMAGE	512X1024	F43ØW		i	600	1307	1 PAR	i
FOCSV786	_	_	F0C/48	IMAGE	512X1Ø24	F275W		i	2600	1307	1 PAR	ī
FOCSV786	_	_	F0C/48	IMAGE	512X1Ø24	F342W		ī	2600	1307	1 PAR	ī
FOCSV786	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2600	1307		ī
F0CSV786	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	13Ø7		2
F0CSV788	_	<b>-</b> '	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307		1
F0CSV788	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1 PAR	1
F0CSV79Ø	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307		1
F0CSV79Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		1
F0CSV792	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1 PAR	1
F0CSV792	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1 PAR	1
F0CSV794	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7		1
F0CSV794	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		1
FOCSV794	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7		1
F0CSV794	-	-	F0C/48	IMAGE	512X1Ø24	F22Ø\		1	1200	13Ø7		2
F0CSV794	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307		1
F0CSV794	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307		1
FOCSV794	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		2
F0CSV796	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		1
F0CSV798	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		1
F0CSV798	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		1
F0CSV798	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		1
FOCSV8ØØ	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		1
FOCSV8ØØ	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		1
F0CSV8Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1 PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Cy.	Spec. Req.	Total Lines
F0CSV8Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	. 1
F0CSV8Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FOCSV8Ø2	_	_	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
F0CSV8Ø2	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2600	1307	1	PAR	1
F0CSV8Ø2	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV8Ø4	-	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV8Ø4	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV8Ø6	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV8Ø6	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV8Ø8	-	-	FOC/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	.1	PAR	1
F0CSV8Ø8	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV81Ø	-	-	FOC/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV81Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	-1
FOCSV812	=		FOC/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV812	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	1
FOCSV814		-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV814	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV816	-	-	FOC/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV816	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	1
FOCSV818	-	-	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F15ØW PRISM2		1.	600	1307	1	PAR	1
FOCSV818	-	7	FOC/48 FOC/48	IMAGE	512X1024 512X1024	F15ØW		1 1	18ØØ 6ØØ	13Ø7 13Ø7	1	PAR	1
F0CSV82Ø F0CSV82Ø	<b>-</b>	_	FOC/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR PAR	1
F0CSV822	_	_	F0C/48	IMAGE	512X1024	F15ØW		1	600	1307	1 1	PAR	1
F0CSV822	_	_	F0C/48	IMAGE	512X1024	PRISM2		7	1800	1307	1	PAR	1
F0CSV824	_	_	FOC/48	IMAGE	512X1024	F15ØW		i	600	1307	i	PAR	i
F0CSV824	_	_	FOC/48	IMAGE	512X1Ø24	PRISM2		_	1800	1307	ī	PAR	ī
F0CSV826	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
F0CSV826	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	ĩ
F0CSV828	-	_	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	ī	PAR	ī
F0CSV828	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV828	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV83Ø	_	***	FOC/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV83Ø		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV832	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV832	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
F0CSV834	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV834	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV834	-	-	F0C/48	IMAGE	512X1Ø24	F275W			2600	13Ø7	1	PAR	1
F0CSV834	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	13Ø7	1	PAR	1
F0CSV834	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2.
F0CSV836	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV836	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV836	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	26ØØ	13Ø7	1	PAR	1
F0CSV836	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
F0CSV836	-		F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV838	· <b>-</b>	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV838	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV838	-	-	F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	1	PAR	1
FOCSV838	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV838	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		Ţ	1800	1307	1	PAR	2
F0CSV84Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1

Parallel Targ	ets
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Target	RA (2000)	Dec (2000)	Inst.	Operating Mode	Anontuna	Spectral Element	Central Wave.		Exp.	ID		Spec. Req.	Total Lines
range o	MA (ZDDD)	000 (2000)	Config.	MOGO	Apertur <b>e</b>	E i ement c	Have.	CXP.	. 111110	10	cy.	Req.	Lines
F0CSV84Ø	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	1
FOCSV842	_	_	F0C/48	IMAGE	512X1024	F15ØW		ī	600	1307	ī	PAR	î
F0CSV842	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	ī	PAR	ī
F0CSV842	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	1200	1307	ī	PAR	ī
F0CSV842	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	ī	PAR	2
F0CSV842	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	26ØØ	1307	1	PAR	1
F0CSV842	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	ī
F0CSV842	_		F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOCSV844	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FDCSV844	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	1307	1	PAR	1
FOCSV844	<del>-</del>	-	FOC/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV846	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV846	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV846		-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	1307	1	PAR	1
FOCSV846	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	1307	1	PAR	2
FOCSV846	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	1	PAR	1
FOCSV846	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV846		-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV848	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV848	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV848 FOCSV85Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV85Ø	<del>-</del>	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV85Ø	<del>-</del>	-	FOC/48	IMAGE IMAGE	512X1Ø24	F43ØW		1	6ØØ 18ØØ	13Ø7 13Ø7	1	PAR	1
FOCSV852		_	FOC/48		512X1Ø24	PRISM2		1	600	1307	1	PAR	2
F0CSV852	_	_	FOC/48 FOC/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F15ØW PRISM2		1	1800	1307	1 1	PAR PAR	1 1
FOCSV854	_	_	F0C/48	IMAGE	512X1024 512X1024	F15ØW		i	600	1307	1	PAR	1
FOCSV854	_	_	F0C/48	IMAGE	512X1024	F43ØW		1	6ØØ	1307	ī	PAR	i
FOCSV854	· -	_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	1200	1307	ī	PAR	î
F0CSV854	· _	_	F0C/48	IMAGE	512X1Ø24	F22ØW		ī	1200	1307	ī	PAR	2
F0CSV854	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	1307	ī	PAR	ī
F0CSV854	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	ī
FOCSV854	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV856	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV856	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV856	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	13Ø7	1	PAR	1
FOCSV856	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1200	13Ø7	1	PAR	2
F0CSV856	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	2600	13Ø7	1	PAR	1
F0CSV858	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	1307	1	PAR	1
F0CSV856	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV858	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
FOCSV858	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV858	-	-	F0C/48	IMAGE	512X1Ø24	F342W		1	2600	1307	1	PAR	1
FOCSV858	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV86Ø	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV86Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV86Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV862	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV862	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	-1	PAR	1
FOCSV864	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
FOCSV884	~	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV864	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	pec. Req.	Total Lines
FOCSV866	_	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
FOCSV866	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV866	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV868	-	-	FOC/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV868	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
FOCSV868	-	-	FOC/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
FOCSV87Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV87Ø	_	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7		PAR	1
FOCSV87Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	2
F0CSV872	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7		PAR	1
F0CSV872	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307		PAR	1
F0CSV872	-	<b>-</b>	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2
FOCSV874	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV874	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV878	<b>-</b>	<b>-</b>	F0C/48 F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307		PAR	1
F0CSV876 F0CSV876	<u>-</u>	_	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F43ØW		1	600	1307		PAR	1
FOCSV878	<u>-</u>	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1 1	1800 600	1307 1307		PAR	2
FOCSV878	_	_	FOC/48	IMAGE	512X1024 512X1024	F275W PRISM2		1	1800	1307		PAR PAR	1
F0CSV88Ø	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1
F0CSV88Ø	_	_	FOC/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307		PAR	1
F0CSV882	_		F0C/48	IMAGE	512X1024	F275W		1	600	1307		PAR	· 1
F0CSV882	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		î	1800	1307		PAR	i
F0CSV884	-	_	F0C/48	IMAGE	512X1Ø24	F275W		ī	600	1307		PAR	ī
F0CSV884	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307		PAR	ī
FOCSV886	_		F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	ī
FOCSV886	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	ī
F0CSV888	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV888	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV89Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV89Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
F0CSV892	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV892	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7		PAR	1
FOCSV894	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV894	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
F0CSV898	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7		PAR	1
FOCSV898	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV898	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7		PAR	1
FOCSV898	-	-	F0C/48 F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	PRISM2		1	1800	1307		PAR	1
FOCSV9ØØ	-	-		IMAGE		F275W		1	600	1307		PAR	1
F0CSV9ØØ F0CSV9Ø2		_	F0C/48 F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2 F275W		1	18ØØ 6ØØ	13Ø7 13Ø7		PAR PAR	1 1
F0CSV902	<del>-</del> .	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1 1	1800	1307		PAR	1
F0CSV9Ø4	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		1	600	1307		PAR	1
F0CSV9Ø4	_	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307		PAR	1
F0CSV9Ø6	- -	-	F0C/48	IMAGE	512X1024 512X1024	F15ØW		1	600	1307		PAR	i
F0CSV9Ø8	_	_	F0C/48	IMAGE	512X1Ø24 512X1Ø24	PRISM2		1	1800	1307		PAR	i
F0CSV9Ø8	_	_	F0C/48	IMAGE	512X1024	F15ØW		1	600	1307		PAR	i
FOCSV9Ø8	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		i	600	1307		PAR	î
F0CSV9Ø8	_	_	F0C/48	IMAGE	512X1Ø24	F22ØW		ī	1200	1307		PAR	ī
F0CSV9Ø8	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	1200	1307		PAR	ī
F0CSV9Ø8	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307		PAR	2
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Tanat	DA (Daga)	D(2000)	Inst.	Operating	Aperture	Spectral Element	Central Wave.		Exp.	TO		Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	vbergare	Element	паче.	Exp.	Time	ID	cy.	Req.	Lines
F0CSV91Ø	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV91Ø	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	ī
F0CSV91Ø	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV912	-	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	6ØØ	1307	1	PAR	ī
F0CSV912	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV912	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV914	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	1
F0CSV914	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	6ØØ	13Ø7	1	PAR	1
F0CSV914	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	18ØØ	1307	1	PAR	2
F0CSV916	_	-	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	13Ø7	1	PAR	1
F0CSV916	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV916	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
FOCSV918	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
F0CSV918	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV918	-	-	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
FOCSV92Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W		1	600	1307	1	PAR	. 1
FOCSV92Ø	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV92Ø F0CSV922	<del>-</del>	-	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	PRISM2 F15ØW		1 1	18ØØ 6ØØ	13Ø7	1	PAR	2
F0CSV922	-	-	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	6ØØ	13Ø7 13Ø7	1	PAR	1
F0CSV922	<del>-</del>	,	FOC/48 FOC/48	IMAGE	512X1024 512X1024	F22ØW			1200	1307	1	PAR PAR	1
F0CSV922	_	_	F0C/48	IMAGE	512X1024	F43ØW		i	1200	1307	1	PAR	1 1
F0CSV922	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2			1800	1307	1	PAR	2
F0CSV924	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		î	600	1307	1	PAR	1
FOCSV924	_	_	F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	1307	i	PAR	i
F0CSV924	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		ī	1800	1307	ī	PAR	2
F0CSV926		_	F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	1307	ī	PAR	ī
F0CSV928	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	ĭ
F0CSV926	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	1307	1	PAR	2
F0CSV928	_	_	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV928	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	13Ø7	1	PAR	1
F0CSV928	-	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV93Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	13Ø7	1	PAR	1
F0CSV93Ø	-		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
F0CSV93Ø	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW			1200	13Ø7	1	PAR	1
F0CSV93Ø	-	-	F0C/48	IMAGE	512X1Ø24	F22ØW			1200	13Ø7	1	PAR	2
F0CSV93Ø	-	-	F0C/48	IMAGE	512X1Ø24	F275W			2600	1307	1	PAR	1
FOCSV93Ø	-		F0C/48	IMAGE	512X1Ø24	F43ØW			1200	1307	1	PAR	1
F0CSV93Ø	_	-	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
F0CSV932	-	-	F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	1307	1	PAR	1
F0CSV932	-	_	F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	1307	1	PAR	1
FOCSV932	-	-	F0C/48	IMAGE IMAGE	512X1Ø24 512X1Ø24	F15ØW			1200	1307	1	PAR	1
FOCSV932	-	-	F0C/48	IMAGE	512X1024 512X1024	F22Ø\ F275\		1	1200	1307	1	PAR	2
F0CSV932 F0CSV932	-	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		-	2600	1307	1	PAR	1
F0CSV932	-	<del>-</del>	F0C/48 F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	12ØØ 18ØØ	13Ø7 13Ø7	1	PAR	1
F0CSV932 F0CSV934	<u>-</u>	<u>-</u>	F0C/48	IMAGE	512X1024 512X1024	F15ØW		1	600	1307	1	PAR PAR	2
FOCSV934	<del>-</del>	_	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1	600	1307	1	PAR	1 1
F0CSV934	<b>-</b> -	_	F0C/48	IMAGE	512X1024 512X1024	PRISM2		1	1800	1307	1	PAR	2
F0CSV936	_	_	F0C/48	IMAGE	512X1024 512X1024	F275W		i	600	1307	1	PAR	1
F0CSV936	_	_	F0C/48	IMAGE	512X1024	PRISM2		1	1800	1307	1	PAR	1
F0CSV938	_	<del>-</del>	F0C/48	IMAGE	512X1Ø24	F275W		i	600	1307	1	PAR	i
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FOCSY948 FOC/48 IMAGE 512X1924 PRISM2 1 1800 1307 1 PAR 1 FOCSY949 FOC/48 IMAGE 512X1924 PRISM2 1 1800 1307 1 PAR 1 PA	Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
FOCSY946 FOC/48 IMAGE 512X1624 F275W	EUCS/038	_	_	E0C/48	TMAGE	E19Y1#94	PRTSM2		1	1800	1307	1	PAR	1
FOCSY948 - FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY942 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 FOCSY942 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY944 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 FOCSY946 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY946 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY946 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY946 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY948 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY948 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY948 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 TOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 1307 1 PAR 1 1 FOCSY956 FOC/48 TIMAGE \$12X1824 PRISM2 1 1809 130		_	_						_					
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FOCSV982 FOC/48 IMAGE 512X1024 F342W 1 2600 1307 1 PAR 1 FOCSV982 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV984 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1		-	-											1
FOCSV982 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 2 FOCSV984 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1		_	_				F342W		1	2600	13Ø7	1	PAR	1
FOCSV984 FOC/48 IMAGE 512X1024 F275W 1 600 1307 1 PAR 1 FOCSV984 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F20W 1 1200 1307 1 PAR 1		_	_						1	1800	13Ø7	1	PAR	2
FOCSV984 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV986 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV986 - FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV988 - FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 - FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 - FOC/48 IMAGE 512X1024 F430W 1 1000 1307 1 PAR 1 FOCSV988 - FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1		_			IMAGE	512X1Ø24	F275W		1	600	13Ø7	1	PAR	1
FOCSV986 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV986 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1	F0CSV984	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	1
FOCSV988 FOC/48 IMAGE 512X1024 PRISM2 1 1800 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1		<b>-</b> '	- Marin 🕳						1	600				1
FOCSV988 FOC/48 IMAGE 512X1024 F150W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1	FOCSV986	-	-				PRISM2	¥ **	1	1800	13Ø7	1		1
FOCSV988 FOC/48 IMAGE 512X1024 F430W 1 600 1307 1 PAR 1 FOCSV988 FOC/48 IMAGE 512X1024 F220W 1 1200 1307 1 PAR 1		-	· <u>-</u>				F15ØW		1					1
F0CSV988 F0C/48 IMAGE 512X1Ø24 F22ØW 1 12ØØ 13Ø7 1 PAR 1		-	-		IMAGE		F43ØW		1			_		1
FOCSV988 FOC/48 IMAGE 512X1Ø24 F43ØW 1 12ØØ 13Ø7 1 PAR 1	F0CSV988	-	-	F0C/48	IMAGE	512X1Ø24			1					
	F0CSV988	-	-	F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	13Ø7	1	PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
FOCSV988	_	_	F0C/48	IMAGE	512X1Ø24	PRISM2		1	1800	13Ø7	1	PAR	2
FOSHI1ØØ	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI1ØØ	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI1Ø2	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI1Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI1Ø4	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI1Ø4	-	_	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI1Ø6	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1	1	PAR	1
FOSHI1Ø6	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1301	1	PAR	1
FOSHI1Ø8	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI1Ø8	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI11Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI11Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI112	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1		PAR	2
FOSHI112	-	-	WFC	IMAGE	ALL	F7Ø2W		1	26ØØ	13Ø1		PAR	2
FOSHI112	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	2
FOSHI114	-		WFC	IMAGE	ALL	F336W		1	2600	13Ø1		PAR	1
FOSHI114	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1	_	PAR	1
FOSHI114		-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1		PAR	1
FOSHI116	-	-	WFC	IMAGE	ALL	F555W_			1200	13Ø1	-	PAR	1
FOSHI116	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1		PAR	1
FOSHI118	-	-	WFC	IMAGE	ALL	F555W			1200	1301		PAR	1
FOSHI118	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	_	PAR	1
FOSHI12Ø	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1		PAR	1
FOSHI12Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	_	PAR	1
FOSHI122	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1		PAR	1
FOSHI122	-	-	WFC	IMAGE IMAGE	ALL	F555W		1	2600	13Ø1		PAR	1
FOSHI122	•••	-	WFC WFC	IMAGE	ALL ALL	F785LP		1	2800	13Ø1		PAR	1
FOSHI124	-	_	WFC	IMAGE		F555W		1	2600	13Ø1		PAR	1
FOSHI124	-	_	WFC	IMAGE	ALL ALL	F785LP			2600	13Ø1		PAR	1
FOSHI126	_	_	WFC	IMAGE	ALL	F555W F785LP		1	1200	13Ø1		PAR	1
FOSHI126	_	_	WFC	IMAGE	ALL	F336W			1200	1301		PAR PAR	1 1
FOSHI128 FOSHI128	_	_	WFC	IMAGE	ALL	F555₩		1 1	26ØØ 26ØØ	13Ø1 13Ø1		PAR	1
FOSHI128	-	_	WFC	IMAGE	ALL	F785LP		1	2600	1301	_	PAR	1
FOSHI130	_	_	WFC	IMAGE	ALL	F555W		_	1200	1301		PAR	1
FOSHI130	·	_	WFC	IMAGE	ALL	F785LP	•	1	1200	1301		PAR	i
FOSHI132		_	WFC	IMAGE	ALL	F336W		i	2600	1301		PAR	i
FOSHI132	_	_	WFC	IMAGE	ALL	F555W		1	2600	1301		PAR	i
FOSHI132	_	-	WFC	IMAGE	ALL	F785LP		i	2600	1301		PAR	i
FOSHI134	_	_	WFC	IMAGE	ALL	F555W		1	1200	1301		PAR	i
FOSHI134	-	_	WFC	IMAGE	ALL	F785LP		_	1200	1301		PAR	i
FOSHI136	-	_	WFC	IMAGE	ALL	F336W		i	2600	1301		PAR	i
FOSHI136	_	-	WFC	IMAGE	ALL	F555W		i	2600	1301		PAR	i
FOSHI136	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1301		PAR	i
FOSHI138	-	-	WFC	IMAGE	ALL	F555W		1	1200	1301		PAR	i
FOSHI138	_	_	WFC	IMAGE	ALL	F785LP		i	1200	1301		PAR	ī
FOSHI140	_ _	_	WFC	IMAGE	ALL	F555W		1	2600	1301		PAR	2
FOSHI14Ø	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1301		PAR	3
FOSHI142	_ 	_	WFC	IMAGE	ALL	F555W		1	1200	1301		PAR	1
FOSHI142	_	_	WFC	IMAGE	ALL	F785LP		1	1200	1301		PAR	1
FOSHI144	_ _		WFC	IMAGE	ALL	F336W		1	2600	1301		PAR	i
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centra! Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
FOSHI144	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI144	_	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI146	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI146	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI148	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR	1
FOSHI148	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI148	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1	1	PAR	1
FOSHI15Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1		PAR	1
FOSHI15Ø	-		WFC	IMAGE	ALL	F785LP		1	2600	13Ø1		PAR	1
FOSHI152	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	-	PAR	1
FOSHI152	-		WFC	IMAGE	ALL	F555W_		1	2600	13Ø1		PAR	1
FOSHI152	.=	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1		PAR	1
FOSHI154	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	_	PAR	1
FOSHI154	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1301		PAR	1
FOSHI156	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	_	PAR	1
FOSHI156	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1		PAR	1
FOSHI158	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	_	PAR	1
FOSHI158	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1		PAR	1
FOSHI16Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1		PAR	1
FOSHI16Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1301		PAR	1
FOSHI162	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	_	PAR	1
FOSHI162	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1		PAR	1
FOSHI162	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	_	PAR	1
FOSHI162	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1		PAR	1
FOSHI164	-	-	WFC	IMAGE	ALL	F555W		1	2600	1301		PAR	2
FOSHI164	-		WFC	IMAGE IMAGE	ALL ALL	F7Ø2W F785LP		1	2600	1301	-	PAR	2
FOSHI164 FOSHI166	-	-	WFC WFC	IMAGE	ALL	F555W		1 1	2600	13Ø1		PAR	2
F0SHI166	•		WFC	IMAGE	ALL	F785LP		1	2600 2600	13Ø1 13Ø1		PAR PAR	1
FOSHI168	-	-	WFC	IMAGE	ALL	F555W		1	1200	1301		PAR	1
F0SHI168	<b>-</b>	_	WFC	IMAGE	ALL	F785LP		î	1200	1301	_	PAR	1
FOSHI17Ø		-	WFC	IMAGE	ALL	F555W		i	2600	1301	_	PAR	1
FOSHI17Ø	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1301		PAR	1
F0SHI172	_	_	WFC	IMAGE	ALL	F555W		i	2600	1301		PAR	1
F0SHI172	_	<u>-</u>	WFC	IMAGE	ALL	F785LP		ī	2600	1301		PAR	1
F0SHI174	_	_	WFC	IMAGE	ALL	F336W		ī	2600	1301	_	PAR	1
FOSHI174	_	_	WFC	IMAGE	ALL	F555W		ī	2600	13Ø1		PAR	i
FOSHI174	_	_	WFC	IMAGE	ALL	F7Ø2W		î	2600	13Ø1		PAR	i
FOSHI174	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1		PAR	i
FOSHI176	_	_	WFC	IMAGE	ALL	F555W		î	2600	13Ø1	_	PAR	i
FOSHI176	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1	_	PAR	i
FOSHI178	_	_	WFC	IMAGE	ALL	F336W		ī	2600	13Ø1		PAR	i
FOSHI178	_	_	WFC	IMAGE	ALL	F555W		ī	2600	13Ø1	_	PAR	i
F0SHI178	_	-	WFC	IMAGE	ALL	F7Ø2W		ī	2600	13Ø1	_	PAR	i
FOSHI178	_	-	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1		PAR	ī
FOSHI18Ø	_	_	WFC	IMAGE	ALL	F555W		ī	2600	13Ø1		PAR	2
FOSHI18Ø	-	<u>-</u>	WFC	IMAGE	ALL	F7Ø2W		ī	2600	13Ø1		PAR	2
FOSHI18Ø	, =	_	WFC	IMAGE	ALL	F785LP	•	î	2600	1301	_	PAR	2
FOSHI182	-	-	WFC	IMAGE	ALL	F555W		ī	2600	1301	_	PAR	2
F0SHI182	=	-	WFC	IMAGE	ALL	F7Ø2W		ī	2600	1301		PAR	2
F0SHI182		_	WFC	IMAGE	ALL	F785LP		ī	2600	1301		PAR	2
F0SHI184	-	_	WFC	IMAGE	ALL	F555W		ī	2600	1301		PAR	2
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
FOSHI184	_	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	2
FOSHI184	_	-	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1		PAR	2
FOSHI186	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	2
FOSHI186	-	_	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	2
FOSHI186	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1	1	PAR	2
FOSHI188	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI188	<del>-</del>	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI19Ø	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR	1
FOSHI19Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI19Ø	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	.1	PAR	1
FOSHI19Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI192	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	2
FOSHI192	-	. —	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	2
FOSHI192	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	2
FOSHI194	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	2
FOSHI194	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	. 1	PAR	2
FOSHI194	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	2
FOSHI196	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR	1
FOSHI196	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI196	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	1
FOSHI196	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI198 FOSHI198	_	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR	1
FOSHI198	-	<u>-</u>	WFC WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI2ØØ	<b>-</b>	_	WFC	IMAGE IMAGE	ALL ALL	F785LP F555W		1	2600	13Ø1 13Ø1	1	PAR	1
FOSHI200	<b>-</b>		WFC	IMAGE	ALL	F785LP		1	1200 1200	1301	1	PAR PAR	1
F0SHI2Ø2	_	_	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1
F0SHI2Ø2	_	_	WFC	IMAGE	ALL ALL	F785LP		1	1200	1301	1 1	PAR	1
FOSHI2Ø4	_	<u>-</u>	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1 1
FOSHI2Ø4	_	_	WFC	IMAGE	ALL	F785LP		_	1200	1301	1	PAR	1
FOSHI2Ø6	_	_	WFC	IMAGE	ALL	F555W		i	1200	1301	i	PAR	i
FOSHI2Ø6	_	-	WFC	IMAGE	ALL	F785LP		i	1200	1301	i	PAR	1
F0SHI2Ø8		· <u>-</u>	WFC	IMAGE	ALL	F336W		i	2600	13Ø1	î	PAR	ī
FOSHI2Ø8	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1301	ī	PAR	ī
FOSHI2Ø8	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1	ī	PAR	ī
FOSHI21Ø	_	_	WFC	IMAGE	ALL	F336W		ī	2600	13Ø1	ī	PAR	ī
FOSHI21Ø	-	_	WFC	IMAGE	ALL	F555W		ī	2600	13Ø1	ī	PAR	ī
FOSHI21Ø	_ '	-	WFC	IMAGE	ALL	F785LP		ī	2600	13Ø1	ī	PAR	ī
FOSHI212	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	ī
FOSHI212	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	1
FOSHI212	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI214	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI214	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	13Ø1	1	PAR	1
FOSHI214	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI216	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI218	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI218	-	· · • .	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI218	-	_	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI22Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI22Ø	-	•••	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI222	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI222	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1

Target	R <b>A</b> (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Су.	Spec. Req.	Total Lines
FOSHI224	-	_	WFC	IMAGE	ALL	F555W		1	2600	1301	1	PAR	1
FOSHI224	_	_	WFC	IMAGE	ALL	F785LP			2600	1301	ī	PAR	i
FOSHI228	-	-	WFC	IMAGE	ALL	F555W			2600	1301	î	PAR	i
FOSHI226	_	-	WFC	IMAGE	ALL	F785LP			2600	1301	î	PAR	i
FOSHI228	_	_	WFC	IMAGE	ALL	F336W			2600	1301	î	PAR	i
FOSHI228	-	-	WFC	IMAGE	ALL	F555W		_	2600	1301	ī	PAR	ī
FOSHI228	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	î	PAR	i
FOSHI23Ø	-	-	WFC	IMAGE	ALL.	F555W			2600	1301	ī	PAR	ī
FOSHI23Ø	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	ī
FOSHI232	-	-	WFC	IMAGE	ALL	F555W			2600	1301	1	PAR	ĩ
FOSHI232	-	-	WFC	IMAGE	ALL	F785LP			2600	13Ø1	1	PAR	ī
FOSHI234	-	-	WFC	IMAGE	ALL	F655W			2600	13Ø1	1	PAR	1
FOSHI234	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	ī
FOSHI236	-	-	WFC	IMAGE	ALL	F336W		1	2600	1301	1	PAR	1
FOSHI238	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR	1
FOSHI236	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	1301	1	PAR	1
FOSHI238	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1301	1	PAR	1
FOSHI238	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR	1
FOSHI238	-	-	WFC	IMAGE	ALL	F555W				1301	1	PAR	1
FOSHI238	-	-	WFC	IMAGE	ALL	F7Ø2W				1301	1	PAR	1
FOSHI238	_		WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	1
FOSHI24Ø	-	-	WFC	IMAGE	ALL	F336W				1301	1	PAR	1
FOSHI24Ø	-	-	WFC	IMAGE	ALL	F555W				13Ø1	1	PAR	1
, FOSHI24Ø	-	-	WFC	IMAGE	ALL	F785LP				1301	1	PAR	1
FOSHI242	-	-	WFC	IMAGE	ALL	F336W			2600	13Ø1	1	PAR	1
FOSHI242	-	-	WFC WFC	IMAGE	ALL	F555W			2600	1301	1	PAR	1
FOSHI242	-	_		IMAGE	ALL	F785LP				13Ø1	1	PAR	1
FOSHI244 FOSHI244	_	_	WFC WFC	IMAGE IMAGE	ALL ALL	F555W				13Ø1	1	PAR	2
FOSHI246	_	_	WFC	IMAGE	ALL	F785LP F655W				1301	1	PAR	3
FOSHI246	_	_	WFC	IMAGE	ALL	F785LP				1301	1	PAR	1
FOSHI248	_	_	WFC	IMAGE	ALL	F555W				1301	1	PAR	1
FOSHI248	_	_	WFC	IMAGE	ALL	F785LP				13Ø1 13Ø1	1	PAR PAR	1
FOSHI25Ø	_	_	WFC	IMAGE	ALL	F555W				1301	1	PAR	1
FOSHI25Ø	_	_	WFC	IMAGE	ALL	F785LP				1301	i	PAR	1
FOSHI252	_	_	WFC	IMAGE	ALL	F666W		-		1301	i	PAR	i
FOSHI252	-	-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	i
FOSHI254	_	_	WFC	IMAGE	ALL	F555W				1301	î	PAR	î
FOSHI254	-	-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	ī
FOSHI258	-	-	WFC	IMAGE	ALL	F555W				1301	ī	PAR	ī
FOSHI258		-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	ī
FOSHI258	_	-	WFC	IMAGE	ALL	F555W				1301	ī	PAR	ī
FOSHI258	-	-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	ī
FOSHI26Ø	-	-	WFC	IMAGE	ALL	F555W				13Ø1	ī	PAR	ī
FOSHI26Ø	_	-	WFC	IMAGE	ALL	F785LP				1301	1	PAR	ī
FOSHI262	-	-	WFC	IMAGE	ALL	F336W				1301	ī	PAR	ī
FOSHI262	-	-	WFC	IMAGE	ALL	F555W				1301	ī	PAR	ī
FOSHI262	-	-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	1
FOSHI264	-	_	WFC	IMAGE	ALL	F555W				1301	ī	PAR	ī
FOSHI284	-	-	WFC	IMAGE	ALL	F785LP				1301	ī	PAR	ī
FOSHI266	-	-	WFC	IMAGE	ALL	F555W				1301	1	PAR	ī
FOSHI266	-	-	WFC	IMAGE	ALL	F785LP				1301	1	PAR	1

Target .	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
FOSHI268	-	_	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1
FOSHI268	_	_	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR	ī
FOSHI27Ø	-	-	WFC ·	IMAGE	ALL	F555W		1	1200	1301	1	PAR	ī
FOSHI27Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1301	1	PAR	ī
FOSHI272	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	1301	1	PAR	ī
FOSHI272	-	-	WFC	IMAGE	ALL	F555W		1	2600	1301	1	PAR	1
FOSHI272	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	1301	1	PAR	1
FOSHI272	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI274	-	-	WFC	IMAGE	ALL	F555W			2600	1301	1	PAR	1
FOSHI274	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	1
FOSHI276	-	-	WFC	IMAGE	ALL	F555W			2600	13Ø1	1	PAR	• 2
FOSHI276	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	3
FOSHI278	-	-	WFC	IMAGE	ALL	F555W			2600	1301	1	PAR	2
FOSHI278	-	-	WFC	IMAGE	ALL	F7Ø2W			2600	1301	1	PAR	2
FOSHI278	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	2
FOSHI28Ø	-	-	WFC	IMAGE	ALL	F555W			2600	1301	1	PAR	2
FOSHI28Ø	-	-	WFC	IMAGE	ALL	F7Ø2W			2600	13Ø1	1	PAR	2
FOSHI28Ø	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	2
FOSHI282	-	-	WFC	IMAGE	ALL	F555W			2600	13Ø1	1	PAR	1
FOSHI282	-	-	WFC	IMAGE	ALL	F785LP			2600	1301	1	PAR	1
FOSHI284	-	-	WFC	IMAGE	ALL	F336W			2600	13Ø1	1	PAR	1
FOSHI284	-	-	WFC	IMAGE	ALL	F555W			2600	13Ø1	1	PAR	1
FOSHI284 FOSHI286	-	_	WFC	IMAGE	ALL ALL	F785LP			2600	1301	1	PAR	1
FOSHI286	_	_	WFC	IMAGE IMAGE	ALL	F336W F555W			2600	1301	1	PAR	1
F0SHI286	_	-	WFC	IMAGE	ALL				2600	1301	1	PAR	1
FOSHI286	_	_	WFC WFC	IMAGE	ALL	F7Ø2W F785LP			26ØØ 26ØØ	1301	1	PAR	1
FOSHI288	_	_	WFC	IMAGE	ALL	F555W			1200	13Ø1 13Ø1	1	PAR PAR	1
FOSHI288	_	<del>-</del>	WFC	IMAGE	ALL	F785LP			1200	1301	_	PAR	1
FOSHI29Ø	_	_	WFC	IMAGE	ALL	F555W			1200	1301	1	PAR	1 1
FOSHI29Ø	_	_	WFC	IMAGE	ALL	F785LP			1200	1301	1	PAR	1
FOSHI292	_	_	WFC	IMAGE	ALL	F555W			1200	1301	1	PAR	i
FOSHI292	-	-	WFC ·	IMAGE	ALL	F785LP			1200	1301	î	PAR	i
FOSHI294	_	_	WFC	IMAGE	ALL	F555W			1200	13Ø1	ī	PAR	i
FOSHI294	_	_	WFC	IMAGE	ALL	F785LP			1200	13Ø1	ī	PAR	i
FOSHI296	-		WFC	IMAGE	ALL	F336W			2600	1301	ī	PAR	ī
FOSHI298	-	_	WFC	IMAGE	ALL	F555W			2600	1301	ī	PAR	ī
FOSHI296	_	_	WFC	IMAGE	ALL	F785LP			2600	13Ø1	1	PAR	ī
FOSHI298	-	-	WFC	IMAGE	ALL	F555W			1200	13Ø1	ī	PAR	ī
FOSHI298	_	_	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR	ī
FOSHI3ØØ	-	_	WFC	IMAGE	ALL	F555W			1200	13Ø1	1	PAR	ī
FOSHI3ØØ	_	_	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR	ī
FOSHI3Ø2 ·	· <del>-</del>	-	WFC	IMAGE	ALL	F555\		1	2600	13Ø1	1	PAR	2
FOSHI3Ø2	-	_	WFC	IMAGE	ALL	F785LP		1	2600	1301	1	PAR	3
FOSHI3Ø4	-	-	WFC	IMAGE	ALL	F555W			1200	1301	1	PAR	. 1
FOSHI3Ø4	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1301	1	PAR	1
FOSHI3Ø6	-	- ,	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1
FOSHI3Ø6	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI3Ø8	-	-	WFC	IMAGE	ALL	F555W			1200	13Ø1	1	PAR	1
FOSHI3Ø8	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR	1
FOSHI31Ø	-	-	WFC	IMAGE	ALL	F555W			26ØØ	13Ø1	1	PAR	2
FOSHI31Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1301	1	PAR	3

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
FOSHI312	_	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI312	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI314	-	-	WFC	IMAGE	ALL	F555\		1	1200	13Ø1	1	PAR	1
FOSHI314	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1301	1	PAR	1
FOSHI316	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI316	-	***	WFC	IMAGE	ALL	F785LP		1	1200	1301		PAR	1
FOSHI318	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI318	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI32Ø	-	-	WFC	IMAGE	ALL .	F555W		1	2600	1301	1	PAR	1
FOSHI32Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1301	1	PAR	1
FOSHI322 FOSHI322	<del>-</del>	-	WFC WFC	IMAGE	ALL	F336W		1	2600	13Ø1 13Ø1	1	PAR	1
FOSHI322	_	<b>-</b>	WFC	IMAGE IMAGE	ALL	F555W		1	26ØØ 26ØØ	1301	1	PAR PAR	1
FOSHI322	_	_	WFC	IMAGE	ALL ALL	F7Ø2W F785LP		1 1	2600	1301	1 1	PAR	1 1
FOSHI324	_	_	WFC	IMAGE	ALL	F336W		1	2600	1301	1	PAR	1
F0SHI324	-	_	WFC	IMAGE	ALL	F555W		1	2600	1301	1	PAR	1
F0SHI324	_	_	WFC	IMAGE	ALL	F7Ø2W		î	2600	1301	i	PAR	i
FOSHI324	-	_	WFC	IMAGE	ALL	F785LP		ī	2600	1301	î	PAR	ī
FOSHI328	_	-	WFC	IMAGE	ALL	F336W		ī	2600	1301	ī	PAR	ī
FOSHI326	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1301	ī	PAR	ī
FOSHI326	-	-	WFC	IMAGE	ALL	F7Ø2W		ī	26ØØ	13Ø1	1	PAR	ī
FOSHI326	-	_	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	ī
FOSHI328	<del>-</del>	-	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø1	1	PAR	1
FOSHI328	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1	1	PAR	1
FOSHI328	•••	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1301	1	PAR	1
FOSHI33Ø	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1	1	PAR	1
FOSHI33Ø	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1	1	PAR	1
FOSHI332	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1301	1	PAR	1
FOSHI332	-	. =	WFC	IMAGE	ALL	F785LP		1	26ØØ	1301	1	PAR	1
FOSHI334	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1301	1	PAR	1
FOSHI334	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR	1
FOSHI336	-	-	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1
FOSHI338	-	-	WFC WFC	IMAGE	ALL	F785LP		1	1200	1301	1	PAR	1
FOSHI338 FOSHI338	<u>-</u>	<u>-</u>	WFC	IMAGE IMAGE	ALL ALL	F555W F785LP		1	26ØØ 26ØØ	13Ø1 13Ø1	1 1	PAR PAR	1 1
FOSHI34Ø	<u> </u>	_	WFC	IMAGE	ALL	F555W		1	1200	1301	1	PAR	1
F0SHI34Ø	_	_	WFC.	IMAGE	ALL	F785LP		1	1200	1301	1	PAR	1
F0SHI342	-	_	WFC	IMAGE	ALL	F555W		i	1200	1301	1	PAR	1
FOSHI342	_	_	WFC	IMAGE	ALL	F785LP		1	1200	1301	ī	PAR	i
FOSHI344	_	-	WFC	IMAGE	ALL	F555W		ī	1200	1301	ī	PAR	ī
FOSHI344	_	-	WFC	IMAGE	ALL	F785LP		ī	1200	13Ø1	ī	PAR	î
FOSHI346	_	_	WFC	IMAGE	ALL	F555W		ī	1200	1301		PAR	ī
FOSHI346	_	_	WFC	IMAGE	ALL	F785LP		ī	1200	1301	ĩ	PAR	ī
FOSHI348	_	-	WFC	IMAGE	ALL	F555\		ī	1200	13Ø1	1	PAR	1
FOSHI348	_	-	WFC	IMAGE	ALL	F785LP		ī	1200	1301		PAR	1
FOSHI35Ø	_	<b>-</b> ,	WFC	IMAGE	ALL	F555W		ī	1200	13Ø1	1	PAR	1
FOSHI35Ø	-	_	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI352	_	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI352		-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1		PAR	1
FOSHI354	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1
FOSHI354	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR	1
FOSHI358	-	-,	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tot Lin	
FOSHI356	-		WFC	IMAGE	ALL	F785LP		1	1200	13ø1	1	PAR		1
FOSHI358	-	-	WFC	IMAGE	ALL	F555W		ī	1200	13Ø1	ī	PAR		ī
FOSHI358	-	_	WFC	IMAGE	ALL	F785LP	•	ī	1200	1301	ī	PAR		î
FOSHI36Ø	_	-	WFC	IMAGE	ALL	F555W		ī	1200	1301	ī	PAR		ī
FOSHI36Ø	-	-	WFC	IMAGE	ALL	F785LP		ī	1200	13Ø1	1	PAR		ī
FOSHI362	-	_	WFC	IMAGE	ALL	F555W		ī	1200	13Ø1	ī	PAR		ī
FOSHI362	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1301	1	PAR		1
FOSHI364	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR		1
FOSHI364	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR		1
FOSHI366	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR		1
FOSHI366	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1	1	PAR		1
FOSHI368	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR		1
FOSHI368	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø1	1	PAR		1
FOSHI37Ø	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø1	1	PAR		1
FOSHI37Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR		1
FOSHI372	•	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR		1
FOSHI372	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR		1
FOSHI374	-	₹.	WFC WFC	IMAGE IMAGE	ALL ALL	F555W			1200	13Ø1	1	PAR		1
FOSHI374 FOSHI376	<u>-</u>	_	WFC	IMAGE	ALL	F785LP			1200	1301	1	PAR		1
FOSHI376	<u>-</u>	<u>-</u>	WFC	IMAGE	ALL	F555W F785LP			1200	1301	1	PAR		1
FOSHI378	_	_	WFC	IMAGE	ALL	F555W			1200	1301	1	PAR		1
F0SHI378	-	_	WFC	IMAGE	ALL	F785LP			1200 1200	13Ø1 13Ø1	1	PAR PAR		1
F0SHI38Ø	~	_	WFC	IMAGE	ALL	F555W			1200	1301	1	PAR		1
FOSHI38Ø	_	· _	WFC	IMAGE	ALL	F785LP				1301	i	PAR		i
FOSHI382	_	_	WFC	IMAGE	ALL	F555W			1200	13Ø1	î	PAR		i
FOSHI382	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	î	PAR		ī
FOSHI384	-	_	WFC	IMAGE	ALL	F555W			1200	13Ø1	ī	PAR		ī
FOSHI384	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR		1
FOSHI388	-	-	WFC	IMAGE	ALL	F555W			1200	13Ø1	1	PAR		1
F0SHI388	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR		1
FOSHI39Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR		1
F0SHI39Ø	-	-	WFC.	IMAGE	ALL	F785LP		1	1200	13Ø1	1	PAR		1
FOSHI396	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø1	1	PAR		1
FOSHI396	-	-	WFC	IMAGE	ALL	F785LP			1200	13Ø1	1	PAR		1
FOSHI398	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø1	1	PAR		1
FOSHI398	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø1	1	PAR		1
FOSHI398	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø1	1	PAR		1
FOSHI400	-	-	WFC	IMAGE	ALL	F555W			1200	13Ø1	1	PAR		1
FOSHI4ØØ GEOCORONA	(6)	-	WFC HRS	IMAGE ACCUM	ALL 2.0	F785LP G16ØM		1	1200	1301	1	PAR		1
GEOCORONA	(S) (S)		HRS	ACCUM	Ø.25			8	300	1203	2	CAL F		1
GEOCORONA	(S)		HRS	ACCUM	2.Ø	G16ØM G14ØL	1010	24	300	1203	2	CAL F		1
GEOCORONA	(S)		HRS	ACCUM	2.0	G16ØM	1216 1216	8 8	300	12Ø4 12Ø4	2	CAL F		1
GEOCORONA-11	(S)		HRS	ACCUM	2.0	G14ØL	1292	8	3ØØ 3ØØ	1204	2	CAL F		1
GEOCORONA-15	(S)		HRS	ACCUM	2.0	G14ØL	1292	8	300	1202	1	CAL F		1
GEOCORONA-2	(S)		HRS	ACCUM	2.0	G14ØL	1292	8	300 300	1202	2	CAL F		1
GEOCORONA-2Ø	(S)		HRS	ACCUM	2.0	G14ØL	1292	8	3ØØ	1202	3	CAL F		i
GEOCORONA-4	(S)		HRS	ACCUM	2.0	G14ØL	1292	8	300	1202	2	CAL F		i
GEOCORONA-55	(s)		HRS	ACCUM	2.0	G16ØM	1208	8	300	1202	1	CAL F		i
GEOCORONA-8	(s)		HRS	ACCUM	2.0	G14ØL	1292	8	300	1202	2	CAL F		ī
HRSL01ØØ	`	-	WFC	IMAGE	ALL	F555W		ĭ	2600	13Ø6	ī	PAR		ī
								-			_			-

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	. Time	ID	_	Req.	Lines
HRSL01ØØ	_	_	WFC	IMAGE	ALL	F664N		1	26ØØ	13Ø6	1	PAR	1
HRSL0100	_	_	WFC	IMAGE	ALL	F336W		. 2	2600	1306	1	PAR	1
HRSL01ØØ	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1306	1	PAR	1
HRSL01Ø2	<del>-</del>	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	.1
HRSL01Ø2	-		WFC	IMAGE	ALL	F664N		1	26ØØ	13Ø6	1	PAR	1
HRSL01Ø2	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	13Ø6	1	PAR	1
HRSL01Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø6	1	PAR	1
HRSL01Ø4	-	-	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL01Ø4	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL01Ø6	-	-	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL01Ø6	-	-	WFC	IMAGE	ALL	F785LP		1 1	1200 1200	13Ø6 13Ø6	1	PAR PAR	1
HRSL01Ø8	<del>-</del>	-	WFC WFC	IMAGE IMAGE	ALL ALL	F555W F785LP		1	1200	1306	1 1	PAR	1 1
HRSL01Ø8 HRSL011Ø	-	<u>-</u>	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL011Ø	_	_	WFC	IMAGE	ALL	F785LP		i	1200	1306	1	PAR	1
HRSL0112		_	WFC	IMAGE	ALL	F555W		ī	1200	1306	i	PAR	î
HRSL0112	_	_	WFC	IMAGE	ALL	F785LP		ī	1200	1306	ī	PAR	i
HRSL0114		-	WFC	IMAGE	ALL	F336W		ī	2600	1306	ī	PAR	ī
HRSL0114	_	_	WFC	IMAGE	ALL	F555W		ī	1200	13Ø6	ī	PAR	ī
HRSL0114	-	_	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	ī
HRSL0116	_	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	ī	PAR	ī
HRSL0116	_	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0118	_	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0118		-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL012Ø	_	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL012Ø	_	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0122	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	1
HRSL0122	-	-	WFC	IMAGE	ALL	F336W		2	2600	13Ø6	1	PAR	1
HRSL0122	-		WFC	IMAGE	ALL	F785LP		1	2600	13Ø6	1	PAR	1
HRSL0124	-	-	WFC	IMAGE	ALL	F336W		1	2600	1306	1	PAR	1
HRSL0124	-	-	WEC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	1
HRSL0124	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø6	1	PAR	1
HRSL0126	-	· -	WFC	IMAGE	ALL	F555W G8ØØL		1	26ØØ 26ØØ	13Ø6 13Ø6	1	PAR PAR	1
HRSL0126 HRSL0126	-	-	WFC	IMAGE IMAGE	ALL ALL	F336W		2	2600	1306	1	PAR	1 1
HRSL0126	-	-	WFC WFC	IMAGE	ALL	F664N		2	2600	1306	1	PAR	1
HRSL0126	_	_	WFC.	IMAGE	ALL	F785LP		1	2600	1306	i	PAR	i
HRSL0128	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1306	1	PAR	i
HRSL0128	_	_	WFC	IMAGE	ALL	F336W		2	2600	1306	ī	PAR	ī
HRSL0128	-	_	WFC	IMAGE	ALL	F664N		2	2600	1306	ī	PAR	ī
HRSL0128	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1306	ī	PAR	ī
HRSL013Ø	_	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	ĩ	PAR	1
HRSL013Ø	_	***	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	ī
HRSL0132	_	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0132	_	_	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0134	_	_	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	1
HRSL0134	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	13Ø6	1	PAR	1
HRSL0134	-		WFC	IMAGE	ALL	F664N		2	2600	13Ø6	1	PAR	1
HRSL0134	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø6	1	PAR	1
HRSL0136	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0136	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0138	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1

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Parallel Targets

RES.   10.138	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wav <b>e</b> .	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
RRS.10146	HRSL0138	-	_		IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0142 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0144 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0144 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0144 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0144 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0146 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0146 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0146 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0150 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0160 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0160 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0160 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0160 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0160 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0170 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL0170 WFC IMAGE ALL F555W 1 1 200 1306 1 PAR 1 HRSL	HRSL014Ø	-	-	WFC	IMAGE				1	1200	13Ø6	1		
HRS.0142		-	-			ALL	F785LP		1	1200	13Ø6	1	PAR	1
RRS.   144		-	-				F555W		1	1200	1306	1	PAR	1
RRS.10144		-	-				F785LP		1	1200	13Ø6	1	PAR	1
HRSL0146		-	-						1					
HRSL0146 - WFC IMAGE ALL F664N 1 2660 1306 1 PAR 1 HRSL0150 - WFC IMAGE ALL F664N 1 2660 1306 1 PAR 1 HRSL0150 - WFC IMAGE ALL F664N 1 2660 1306 1 PAR 1 HRSL0150 - WFC IMAGE ALL F664N 1 2660 1306 1 PAR 1 HRSL0150 - WFC IMAGE ALL F565W 1 2660 1306 1 PAR 1 HRSL0150 - WFC IMAGE ALL F565W 1 1260 1306 1 PAR 1 HRSL0152 - WFC IMAGE ALL F565W 1 1260 1306 1 PAR 1 HRSL0154 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0154 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0156 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0166 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0174 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0174 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0174 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0174 - WFC IMAGE ALL F765LP 1 1260 1306 1 PAR 1 HRSL0174 - WFC IMAGE ALL		-	-						-			_		
HRSL0156		-	-						_			_		
HRSL0156		-												_
HRS.01569 WFC IMAGE ALL G809L 1 2009 1306 1 PAR 1 HRS.01509 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0152 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0152 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0154 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0154 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0154 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0158 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0158 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0158 WFC IMAGE ALL F655W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0152 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0152 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0166 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0157 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0170 WFC IMAGE ALL F55		-	-						_	_		_		
HRS.0156		-	-						_					-
HRS.0.152 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.152 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.154 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.154 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.158 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.156 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1 PAR 1 HRS.0.170 WFC IMAGE ALL F555W 1 1200 1306 1		_	<b>-</b>											
HRSL0152		_	_											
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HRSL0168		_	-											
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		•	Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		Time	ID		Req.	Lines
HRSL0184			WFC	IMAGE	ALL	F555W		•	1000	1000		545	_
HRSL0184	_	_	WFC	IMAGE	ALL	F785LP		1 1	1200 1200	13Ø6 13Ø6	1	PAR PAR	1
HRSL0186	_	_	WFC	IMAGE	ALL	F555W		1	2600	1306	1	PAR	1 1
HRSL0186	_	_	WFC	IMAGE	ALL	F664N		i	2600	1306	1	PAR	1
HRSL0186	-	_	WFC	IMAGE	ALL	F336W		2	2600	1306	1	PAR	1
HRSL0186	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1306	1	PAR	1
HRSL0188	_	_	WFC	IMAGE	ALL	F555W		i	2600	1306	1	PAR	1
HRSL0188	_	_	WFC	IMAGE	ALL	F664N		ī	2600	13Ø6	i	PAR	i
HRSL0188	_	-	WFC	IMAGE	ALL	F336W		2	2600	1306	i	PAR	i
HRSL0188	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	1306	i	PAR	ī
HRSL019Ø	-	_	WFC	IMAGE	ALL	F555W		ī	1200	13Ø6	î	PAR	i
HRSL019Ø	_	_	WFC	IMAGE	ALL	F785LP		ĩ	1200	1306	ī	PAR	ī
HRSL0192	-	_	WFC	IMAGE	ALL	F336W		ī	2600	13Ø6	ī	PAR	î
HRSL0192	_	-	WFC	IMAGE	ALL	F555W		ī	1200	13Ø6	ī	PAR	ī
HRSL0192	-	_	WFC	IMAGE	ALL	F785LP		ī	1200	13Ø6	ī	PAR	ī
HRSL0194	_	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	ī	PAR	ī
HRSL0194	-	_	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	ī
HRSL0194	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	ī	PAR	ī
HRSL0196	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	ĩ
HRSL0196	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	ī
HRSL0198	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	. 1
HRSL0198	_	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0198	-	_	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL02ØØ	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL02ØØ	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL02Ø2	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL02Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL02Ø4	<del>-</del>	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	1
HRSL02Ø4	-	` . <del>-</del>	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	1
HRSL02Ø4	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø6	1	PAR	1
HRSL02Ø6	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	1
HRSL02Ø6	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL02Ø6	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL02Ø8	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	1
HRSL02Ø8	-		WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL02Ø8	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL021Ø	-	-	WFC .	IMAGE	ALL	F336W		1	2600	13Ø8	1	PAR	1
HRSL021Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR	1
HRSL021Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	13Ø6	1	PAR	1
HRSL0212	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	1
HRSL0212	-	_	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL0212	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0214	-	-	WFC	IMAGE	ALL	F336W		1	2600	13Ø6	1	PAR	1
HRSL0214	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0214	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0216		. <del>-</del>	WFC	IMAGE	ALL	F336W		1 -	2600	1306	1	PAR	1
HRSL0218 .	-		WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL0216	-	-	WFC WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0218	-	-	WFC	IMAGE IMAGE	ALL	F555W G8ØØL		1	2600	1306	1	PAR	1
HRSL0218	-	-			ALL			1	2600	1306	1	PAR	1
HRSL0218	• -	-	WEC	IMAGE	ALL	F336W		2	2600	1306	1	PAR	1
HRSL0218	_	_	WFC .	IMAGE	ALL	F664N		2	2600	13Ø6	1	PAR	1

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectrai Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HRSL0218	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1306	1	PAR	1
HRSL022Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	1306	1	PAR	1
HRSL022Ø	-	-	WFC	IMAGE	ALL	F336W		2	2600	1306	1	PAR	1
HRSL022Ø	-	-	WFC	IMAGE	ALL	F664N		2	2600	13Ø6	1	PAR	1
HRSL022Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1306	1	PAR	1
HRSL0222	-	~	WFC	IMAGE	ALL	F336W		1	2600	1306	1	PAR	1
HRSL0222	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0222	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0224	-	-	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL0224	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0228	-	-	WFC	IMAGE	ALL	F555\		1	1200	1306	1	PAR	1
HRSL0228	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0228	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0228	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL023Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL023Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0232	-	-	WFC	IMAGE	ALL	F555W		1	2000	1306	1	PAR	1
HRSL0234	-	-	WFC	IMAGE	ALL	F785LP		1	2000	1306	1	PAR	1
HRSL0236	-	-	WFC	IMAGE	ALL	F555W		1	2000	1308	1	PAR	1
HRSL0238	-	-	WFC	IMAGE	ALL	F785LP		1	2000	13Ø6	1	PAR	1
HRSL024Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0242	_	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0242	-	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR	1
HRSL0244	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR	1
HRSL0244	-	• -	WFC	IMAGE	ALL	F785LP			1200	1306	1	PAR	1
HRSL0246	***	-	WFC	IMAGE	ALL	F555W		1	1200	1308	1	PAR	1
HRSL0246 HRSL0248	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0248	-	-	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1
HRSL0252	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1306	1	PAR	1
HRSL0252		- -	WFC WFC	IMAGE	ALL	F555W F785LP		1	1200	13Ø6 13Ø6	1	PAR	1
HRSL0254	_		WFC	IMAGE IMAGE	ALL ALL	F555W		1 1	1200 2600	1306	1	PAR	1
HRSL0254	<b>-</b>	-	WFC	IMAGE	ALL	F336W		2	2600	1306	1	PAR	1
HRSL0254	_		WFC	IMAGE	ALL	F785LP		1	2600	1306	1	PAR PAR	1
HRSL0256	Ξ	- -	WFC	IMAGE	ALL	F336W		1	2600	1306	1	PAR	1
HRSL0256	_	_	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR	1 1
HRSL0256	_	_	WFC	IMAGE	ALL	F785LP		i	1200	1306	i	PAR	1
HRSL0258	_	_	WFC	IMAGE	ALL	F555W		i	1200	1306	i	PAR	1
HRSL0258	_	_	WFC	IMAGE	ALL	F785LP		i	1200	1306	1	PAR	1
HRSL026Ø	-	_	WFC	IMAGE	ALL	F336W		ī	2600	1306	ī	PAR	i
HRSL026Ø	_	_	WFC	IMAGE	ALL	F555W		î	2600	1306	ī	PAR	i
HRSL026Ø		-	WFC	IMAGE	ALL	F785LP		ī	2600	1306	ī	PAR	ī
HRSL0262	_		WFC	IMAGE	ALL	F336W		î	2600	1306	î	PAR	i
HRSL0262	_	_	WFC	IMAGE	ALL	F555W		ī	1200	1306	i	PAR	ī
HRSL0262	_	-	WFC	IMAGE	ALL	F785LP		i	1200	1306	1	PAR	i
HRSL0264	_	_	WFC	IMAGE	ALL	F555W		ī	1200	1306	1	PAR	1
HRSL0264	_	_	WFC	IMAGE	ALL	F785LP		ī	1200	1306	1	PAR	i
HRSL0266	-	<del>-</del> ;	WFC	IMAGE	ALL	F555W		i	2600	1306	1	PAR	1
HRSL0266	_	_!	WFC	IMAGE	ALL	F336W		2	2600	1306	1	PAR	1
HRSL0266		_	WFC	IMAGE	ALL	F785LP		ī	2600	1306	i	PAR	1
HRSL0268	_	_	WFC	IMAGE	ALL	F336W		ī	2600	1306	1	PAR	i
HRSL0268	-	-	WFC	IMAGE	ALL	F555W		ī	1200	1306	ī	PAR	1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp Exp. Time			Spec. Req.	Total Lines
HRSL0268	_	_	WFC	IMAGE	ALL	F785LP		1 1200	1306	1	PAR	1
HRSL027Ø	-	-	WFC	IMAGE	ALL	F547M		1 2600	1306	1	PAR	1
HRSL027Ø	_	-	WFC	IMAGE	ALL	F664N		1 2600	13Ø6	1	PAR	1
HRSL0272	-	-	WFC	IMAGE	ALL	F336W		1 2600	1306	1	PAR	1
HRSL0272	-	-	WFC	IMAGE	ALL	F555W		1 1200	13Ø6	1	PAR	1
HRSL0272	-	<b>-</b> '	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6	1	PAR	1
HRSL0274	-	-	WFC	IMAGE	ALL	F555W .		1 1200	13Ø6	1	PAR	1
HRSL0274	-	-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6		PAR	1
HRSL0276	-	-	WFC	IMAGE	ALL	F547M		1 2600	13Ø6		PAR	. 1
HRSL0278	-	-	WFC	IMAGE	ALL	F664N		1 2600	1306		PAR	1
HRSL0278	-	-	WFC	IMAGE	ALL	F547M		1 2600	1306		PAR	1
HRSL0278	-	-	WFC	IMAGE	ALL	F664N		1 2600	1306		PAR	1
HRSL028Ø	-	-	WFC	IMAGE	ALL	F336W		1 2600	1306		PAR	1
HRSL028Ø	-	-	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL028Ø	-	-	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	1
HRSL0282	-	_	WFC	IMAGE	ALL	F547M		1 2600	1306	_	PAR	1
HRSL0282	-	-	WFC	IMAGE	ALL	F664N		1 2600	1306	-	PAR	1
HRSL0284	-	-	WFC	IMAGE	ALL	F547M		1 2600	1306		PAR	1
HRSL0284	-	-	WFC	IMAGE	ALL	F664N		1 2600	1306		PAR	1
HRSL0286	-	-	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL0286	-	-	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	1
HRSL0288	-	-	WFC WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL0288	-	-	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	1
HRSL029Ø	-	<del>-</del>	WFC	IMAGE IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL029Ø	-	- -	WFC	IMAGE	ALĻ ALĻ	F785LP		1 1200 1 1200	13Ø6 13Ø6		PAR PAR	1 1
HRSL0292 HRSL0292	<u>-</u>	-	WFC	IMAGE	ALL	F555W F785LP		1 1200	1306		PAR	1
HRSL0294	_	-	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL0294	_	_	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	1
HRSL0296	_	· <del>-</del>	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	i
HRSL0296	_	-	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	ī
HRSL0298	-	_	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	ī
HRSL0298	_	_	WFC	IMAGE	ALL	F785LP		1 1200	1306		PAR	ī
HRSL03ØØ	_	-	WFC	IMAGE	ALL	F555W		1 1200	1306	_	PAR	ī
HRSL03ØØ	-	-	WFC	IMAGE	ALL	F785LP		1 1200	1306	_	PAR	ī
HRSL03Ø2	-	-	WFC	IMAGE	ALL	F555W		1 1200	1306	_	PAR	1
HRSL03Ø2		_	WFC-	IMAGE	ALL	F785LP		1 1200	1306		PAR	ī
HRSL03Ø4	-	-	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	ī
HRSL03Ø4	_	-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6		PAR	1
HRSL03Ø6	_	_	WFC	IMAGE	ALL	F336W		1 2600	1306		PAR	1
HRSL03Ø6	_	-	WFC	IMAGE	ALL	F555W		1 2600	1306		PAR	1
HRSL03Ø6	-	_	WFC	IMAGE	ALL	F785LP		1 2600	13ø6		PAR	1
HRSL03Ø8	_	_	WFC	IMAGE	ALL	F555W		1 1200	1306	1	PAR	1
HRSL03Ø8	_	_	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6	1	PAR	1
HRSL031Ø	-	-	WFC	IMAGE	ALL	F555W		1 1200	1306	1	PAR	1
HRSL031Ø	-	-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6	1	PAR	1
HRSL0312	- ,	· -	WFC	IMAGE	ALL	F555W		1 1200	1306		PAR	1
HRSL0312		-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6	1	PAR	1
HRSL0314	-	-	WFC	IMAGE	ALL	F555W		1 1200	13Ø6	-	PAR	1
HRSL0314	-	-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6		PAR	1
HRSL0316	· _	-	WFC	IMAGE	ALL	F555W		1 1200	13Ø6	1	PAR	1
HRSL0316	-	-	WFC	IMAGE	ALL	F785LP		1 1200	13Ø6	1	PAR	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.		
HRSL0318	_	_	WFC	IMAGE	ALL	F555W		1	1200	1306	1	PAR		1
HRSL0318	_	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR		1
HRSL032Ø	-	_	WFC	IMAGE	ALL	F336W		1		13Ø6	1	PAR		1
HRSL032Ø	_	_	WFC	IMAGE	ALL	F555W		1		13Ø6	ī	PAR		1
HRSL032Ø	-	_	WFC	IMAGE	ALL	F785LP		1		13Ø6	1	PAR		1
HRSL0322	_	-	WFC	IMAGE	ALL	F336W		1	26ØØ	13Ø6	1	PAR		1
HRSL0322	-	-	WFC	IMAGE	ALL	F555W		1	1200	13Ø6	1	PAR		1
HRSL0322	_	-	WFC	IMAGE	ALL	F785LP		1	1200	13Ø6	1	PAR		1
HRSL0324	-	-	WFC	IMAGE	ALL	F555W		1	2600	13Ø6	1	PAR		1
HRSL0324	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø6	1	PAR		1
HRSL0324	-	-	WFC	IMAGE	ALL	F336W		2	2600	13Ø6	1	PAR		1
HRSL0324	_	-	WFC	IMAGE	ALL	F664N		2	26ØØ	13Ø6	1	PAR		1
HRSL0324	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø6	1	PAR		1
HRSL0326	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	13Ø6	1	PAR		1
HRSL0326	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	13Ø6	1	PAR		1
HRSL0326	-	-	WFC	IMAGE	ALL	F336W		2	26ØØ	1306	1	PAR		1
HRSL0326	-	-	WFC	IMAGE	ALL	F664N		2	26ØØ	13Ø6	1	PAR		1
HRSL0326	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	13Ø6	1	PAR		1
HRSL0328	-		WFC	IMAGE	ALL	F555W		1		13Ø6	1	PAR		1
HRSL0328	_	-	WFC	IMAGE	ALL	F336W		2		13Ø6	1	PAR		1
HRSL0328	-	-	WFC	IMAGE	ALL	F785LP		1		13Ø6	1	PAR		1
HRSL033Ø	-	-	WFC	IMAGE	ALL	F555W		1		13Ø6	1	PAR		1
HRSL033Ø	-	-	WFC	IMAGE	ALL	F785LP		1		13Ø6	1	PAR		1
HRSL0332	-	-	WFC	IMAGE	ALL	F555W		1		13Ø6	1	PAR		1
HRSL0332	-	••	WFC	IMAGE	ALL	F785LP		1		13Ø6	1	PAR		1
HRSL0334	-	-	WFC	IMAGE	ALL	F555W		1		1306	1	PAR		1
HRSL0334 HRSL0334	-	-	WFC WFC	IMAGE IMAGE	ALL ALL	F336W F785LP		2		1306	1	PAR		1
JUPFIELD	(S)	-	WFC	IMAGE	ALL	F6Ø6W		1		1306	1	PAR		1
JUPFIELD	(S) (S)		WFC	IMAGE	ALL	F6Ø6W		2 2		1Ø89 1Ø89	1	PAR PAR		3 7
JUPFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2		1089	1	PAR		9
JUPFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2		1089	1	PAR		4
JUPFIELD	(S)		WFC ·	IMAGE	ALL	F6Ø6W		2		1089	i	PAR		1
JUPFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2		1089	1	PAR		ē
JUPFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2		1089	1	PAR		9
JUPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2		1089	i	PAR		8
JUPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2		1089	ī	PAR		ĭ
JUPITER-NEIGHBORHOOD	(s)		HRS	ACCUM	2.0	G14ØL	1375	3		1206	ī	CAL	PAR	1
M33/WR28-FIELD	(Ġ)		WFC	IMAGE	ALL	G2ØØL		1	800	1150	1	J	PAR	1
MARS-FIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	75Ø	1089	1	PAR		3
NEPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	600	1Ø89	1	PAR		1
NEPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2		1089	1	PAR		9
NEPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	1200	1089	1	PAR		1
NEPFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	36ØØ	1089	1	PAR		4
NGC2Ø6/277-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	900	1150	1		PAR	1
OB138/WR1-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	1600	1150	1		PAR	1
OB48/444-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	3200	1150	1		PAR	1
PLUFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2	3ØØ	1089	1	PAR		2
PLUFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2	600	1Ø89	1	PAR		2
PLUFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2	18ØØ	1089	1	PAR		5
PLUFIELD	(S)		WFC	IMAGE	ALL	F6Ø6W		2	2400	1089	1	PAR		3
R31-FIELD	(G)		WFC	IMAGE	ALL	G2ØØL		1	240	1152	2	PAR		3

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp.	ID		Spec. Req.	Total Lines
SATFIELD	<b>(</b> S)		WFC	IMAGE	ALL	F6Ø6W		1	3ØØ	1Ø89	1	PAR	7
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	600	1Ø89	1	PAR	2
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	75Ø	1Ø89	1	PAR	<u>-</u>
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	18ØØ	1Ø89	1	PAR	16
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	1200	1Ø89	1	PAR	2
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	1250	1089	1	PAR	ĩ
SATFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	3600	1089	ī	PAR	2
URNFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	750	1089	ī	PAR	6
URNFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	1800	1089	ī	PAR	4
URNFIELD	(š)		WFC	IMAGE	ALL	F6Ø6W		2	1200	1089	ī	PAR	5
URNFIELD	(s)		WFC	IMAGE	ALL	F6Ø6W		2	3600	1089	1	PAR	ĭ
V1343-AQL-JET	(Ġ)		WFC	IMAGE	ALL	F5Ø2N	5ø19	1	1000	1051	ø	PAR	ī
V1343-AQL-JET	(G)		WFC	IMAGE	ALL	F656N	6559	ī	1000	1051	Ø	PAR	ĩ
WFPCCL1ØØ	-	_	WFC	IMAGE	ALL	F555W		ī	1200	1299	1	PAR	ī
WFPCCL1ØØ	-	-	WFC	IMAGE	ALL	F785LP		ī	1200	1299	1	PAR	. ī
WFPCCL1Ø2	_	_	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	ī
WFPCCL1Ø2	-	_	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL1Ø4	-	••	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	ī
WFPCCL1Ø4	_	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	<u>1</u>
WFPCCL1Ø8	_	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL1Ø8		_	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL1Ø8	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL1Ø8	<b>-</b> '	_	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL11Ø	_	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL11Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL112	_	**	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL112	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL114	. <del>-</del>	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL114	-	. <del>-</del>	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL118	-	-	WFC	IMAGE	ALL	F555W			1200	1299	1	PAR	1
WFPCCL118	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL118	<del>-</del> .	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL118	-	- ,	WFC	IMAGE	ALL	F785LP			1200	1299	1	PAR	1
WFPCCL12Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL12Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL122	-	-	WFC	IMAGE	ALL	F555W F785LP		1	1200	1299 1299	1	PAR	1
WFPCCL122 WFPCCL124	-	-	WFC.	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1 1
WFPCCL124	-		WFC WFC	IMAGE	ALL	F785LP		1 1	1200	1299	1 1	PAR PAR	1
WFPCCL124	_	_	WFC	IMAGE IMAGE	ALL ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL126	_	_	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL128	_	_	WFC	IMAGE	ALL	F555W		i	1200	1299	i	PAR	i
WFPCCL128	_	_ _	WFC	IMAGE	ALL	F785LP		i	1200	1299	ī	PAR	i
WFPCCL13Ø	_	_	WFC	IMAGE	ALL	F555W		1	1200	1299	ī	PAR	i
WFPCCL13Ø	-	_	WFC	IMAGE	ALL	F785LP		i	1200	1299	ī	PAR	ī
WFPCCL132	_	-	WFC	IMAGE	ALL	F555W		-	1200	1299	ī	PAR	ī
WFPCCL132		-	WFC	IMAGE	ALL	F785LP		ī	1200	1299	ī	PAR	ī
WFPCCL134	_	_	WFC	IMAGE	ALL	F555W		ī	1200	1299	ī	PAR	ī
WFPCCL134		_	WFC	IMAGE	ALL	F785LP		ī	1200	1299	ī	PAR	ī
WFPCCL136	_	<del></del>	WFC	IMAGE	ALL	F555W		ī	1200	1299	1	PAR	ĩ
WFPCCL136	·	_	WFC	IMAGE	ALL	F785LP		ī	1200	1299	1	PAR	ī
WFPCCL138	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1

# Parallel Targets

WFPCCL138 WFPCCL14Ø WFPCCL14Ø	-				•	Element	Wave.	Exp.				Req.	Lines
WFPCCL14Ø		_	WFC	IMAGE	ALL	F785LP		1	12ØØ	1299	1	PAR	1
	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL142	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL142	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL144	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL144	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL146	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL146	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1299	1	PAR	1
WFPCCL148	-	-	WFC	IMAGE	ALL	F555W		1	1200	1299	1	PAR	1
WFPCCL148	_	-	WFC	IMAGE	ALL	F785LP		_	1200	1299	1	PAR	1
WFPCCL15Ø	-	-	WFC	IMAGE	ALL	F555W		_	1200	1299	1	PAR	1
WFPCCL15Ø	-	-	WFC	IMAGE	ALL	F785LP			1200	1299	1	PAR	1
WFPCCL152	-	-	WFC	IMAGE	ALL	F555W			1200	1299	1	PAR	1
WFPCCL152	-	-	WFC	IMAGE	ALL	F785LP		_	1200	1299	1	PAR	1
WFPCCL154	-	-	WFC	IMAGE	ALL	F555W		_	1200	1299	1	PAR	1
WFPCCL154	-	-	WFC	IMAGE	ALL	F785LP		_	1200	1299	1	PAR	1
WFPCCL156	-	-	WFC	IMAGE	ALL	F555W			1200	1299	1	PAR	1
WFPCCL156	-	-	WFC	IMAGE	ALL	F785LP			1200	1299	1	PAR	1
WFPCCL158	-	-	WFC	IMAGE	ALL	F555W			1200	1299	1	PAR	1
WFPCCL158	-	-	WFC	IMAGE	ALL	F785LP		_	1200	1299	1	PAR	1
WFPCCL16Ø	-	_	WFC	IMAGE	ALL	F555W		_	1200	1299	1	PAR	1
WFPCCL16Ø WFPCCL162	-	_	WFC WFC	IMAGE IMAGE	ALL ALL	F785LP		_	1200	1299	1	PAR	1
WFPCCL162	_	<del>-</del>	WFC	IMAGE	ALL	F555W F785LP		_	1200	1299	1	PAR	1
WFPCCL162	_	· · · <u>-</u>	WFC	IMAGE	ALL				1200 1200	1299	1	PAR	1
WFPCCL164	_	_	WFC	IMAGE	ALL	F555W F785LP		_	1200	1299 1299	1	PAR PAR	1 1
WFPCCL166	_	_	WFC	IMAGE	ALL	F555W			1200	1299	1	PAR	i
WFPCCL166	_	_	WFC	IMAGE	ALL	F785LP			1200	1299	1	PAR	1
WFPCCL168	_	-	WFC	IMAGE	ALL	F555W			2600	1299	i	PAR	1
WFPCCL168	_	-	WFC	IMAGE	ALL	F785LP		_	2600	1299	î	PAR	ī
WFPCCL17Ø	-	_	WFC	IMAGE	ALL	F555W			1200	1299	ī	PAR	ī
WFPCCL17Ø	_	_	WFC -	IMAGE	ALL	F785LP			1200	1299	ī	PAR	ī
WFPCGL1ØØ	_	_	WFC	IMAGE	ALL	F555W		_	1200	1300	ī	PAR	ī
WFPCGL100	_	-	WFC	IMAGE	ALL	F785LP			1200	1300	ī	PAR	ī
WFPCGL1Ø2	_	_	WFC	IMAGE	ALL	F555W			1200	1300	ī	PAR	ī
WFPCGL1Ø2	_	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	ī
WFPCGL1Ø4	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL1Ø4	_	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL1Ø8	_		WFC	IMAGE	ALL	F555W			2600	1300	1	PAR	2
WFPCGL1Ø8	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1300	1	PAR	1
WFPCGL11Ø	_	-	WFC	IMAGE	ALL	F555\		1	2600	1300	1	PAR	2
WFPCGL11Ø .	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL112	_	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	2
WFPCGL112	_	-	WFC	IMAGE	ALĻ	F785LP		1	26ØØ	1300	1	PAR	2
WFPCGL114	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL114	· -	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL116	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL116	_	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL118	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1300	1	PAR	2
WFPCGL118	_	-	WFC	IMAGE	ALL	F785LP			26ØØ	1300	1	PAR	1
WFPCGL12Ø	_	-	WFC	IMAGE	ALL	F555W			26ØØ	1300	1	PAR	2

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
WFPCGL12Ø	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL122	-	_	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	2
WFPCGL122	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	2
WFPCGL124		_	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	2
WFPCGL124	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	2
WFPCGL128	_	_	WFC	IMAGE	ALL	F555W		1	1200	1300		PAR	ī
WFPCGL126	-	-	WFC	IMAGE	ALL	F785LP		ī	1200	1300	ī	PAR	ī
WFPCGL128		_	WFC	IMAGE	ALL	F555W		1	2600	1300	ī	PAR	ī
WFPCGL128	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	1300	ī	PAR	ī
WFPCGL13Ø	-	-	WFC	IMAGE	ALL	F555W		ī	2600	1300	ī	PAR	ī
WFPCGL13Ø	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	1300	ī	PAR	î
WFPCGL132	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	ī	PAR	ī
WFPCGL132	_	_	WFC	IMAGE	ALL	F785LP		ī	2600	1300	1	PAR	î
WFPCGL134	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	ī	PAR	i
WFPCGL134	_	-	WFC	IMAGE	ALL	F785LP		ī	2600	1300	î	PAR	i
WFPCGL138	-	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	ī	PAR	i
WFPCGL136	_	_	WFC	IMAGE	ALL	F785LP		i	2600	1300	· 1	PAR	1
WFPCGL138	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	i	PAR	3
WFPCGL138	_	_	WFC	IMAGE	ALL	F785LP		i	2600	1300	ī	PAR	2
WFPCGL14Ø	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	î	PAR	3
WFPCGL14Ø	_	_	WFC	IMAGE	ALL	F785LP		î	2600	1300	1	PAR	2
WFPCGL142	_		WFC	IMAGE	ALL	F555W		ī	2600	1300	i	PAR	3
WFPCGL142	_		WFC	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	2
WFPCGL144	_	_	WEC	IMAGE	ALL	F555W		i	2600	1300	i	PAR	3
WFPCGL144	_	_	WFC	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	2
WFPCGL148	_	_	WFC	IMAGE	ALL	F555W		i	2600	1300	i	PAR	3
WFPCGL146	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1300	i	PAR	2
WFPCGL148		_	WFC	IMAGE	ALL	F555W		1	2600	1300	. 1	PAR	
WFPCGL148		_	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	3 2
WFPCGL15Ø		· =	WFC	IMAGE	ALL	F555W		i	2600	1300	1	PAR	3
WFPCGL15Ø	· <u>-</u>	_	WFC	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	2
WFPCGL152	_	_	WFC	IMAGE	ALL	F555W		i	2600	1300	1	PAR	3
WFPCGL152	_	_	WFC	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	2
WFPCGL154	_	_	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	
WFPCGL154		_	WFC	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	3 2
WFPCGL156	_	_	WFC	IMAGE	ALL	F555W		i	2600	1300	1	PAR	3
WFPCGL156	<u>-</u>	_	WFC.	IMAGE	ALL	F785LP		i	2600	1300	1	PAR	2
WFPCGL158	_	_	WFC	IMAGE	ALL	F555₩		i	2600	1300	1	PAR	
WFPCGL158	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300		PAR	3
WFPCGL180	-		WFC	IMAGE	ALL	F555W		_	2600	1300	1		2
WFPCGL16Ø	-	-	WFC	IMAGE	ALL	F785LP		1 1	2600		1	PAR	3
WFPCGL162	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300 1300	1	PAR	2
	-	-	WFC		ALL	F785LP		_			1	PAR	1
WFPCGL162	-	-	WFC	IMAGE IMAGE		F555W		1	1200	1300	1	PAR	1
WFPCGL164	-	-			ALL			1	2600	1300	1	PAR	3
WFPCGL164	_	-	WFC WFC	IMAGE	ALL ALL	F785LP F555W		1	2600	1300	1	PAR	3
WFPCGL166	-	-		IMAGE				1	1200	1300	1	PAR	1
WFPCGL166	-	-	WEC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL168	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL168	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300		PAR	1
WFPCGL17Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL17Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL172	-	-	WFC	IMAGE	ALL	F555₩		1	1200	1300	1	PAR	1
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Para	He	l Targets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Cy.	Spec. Req.	Total Lines
WFPCGL172	_	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL174	-	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	- 2
WFPCGL174	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1300	1	PAR	
WFPCGL176	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1300	1	PAR	2
WFPCGL176	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	<u> </u>
WFPCGL178	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1300	1	PAR	ī
WFPCGL178	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1300	1	PAR	1
WFPCGL18Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL18Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL182	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL182	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL184	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL184	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL186	-	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	3
WFPCGL186		-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1300	1	PAR	2
WFPCGL188	-	-	WFC	IMAGE	ALL	F555W			1200	1300	, 1	PAR	1
WFPCGL188	-	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL19Ø	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL19Ø	-	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL192	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL192	-	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL194	-	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL194 WFPCGL196	***	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL196	<u>-</u>	-	WFC WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	1
WFPCGL198	<u>-</u>	~	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL198	_	_	WFC	IMAGE IMAGE	ALL	F555W		1	2600	1300	1	PAR	1
WFPCGL2ØØ	_	_	WFC	IMAGE	ALL ALL	F785LP F555W		1	26ØØ 26ØØ	1300 1300	1	PAR PAR	1
WFPCGL2ØØ	_		WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL2Ø2	_	_	WFC	IMAGE	ALL	F555W		i	1200	1300	i	PAR	1 1
WFPCGL2Ø2	_	_	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL2Ø4	_	-	WFC	IMAGE	ALL	F555W			1200	1300	î	PAR	1
WFPCGL2Ø4	_	_	WFC	IMAGE	ALL	F785LP			1200	1300	i	PAR	1
WFPCGL2Ø6	_	_	WFC	IMAGE	ALL	F555W			1200	1300	ī	PAR	i
WFPCGL2Ø8	_	_	WFC	IMAGE	ALL	F785LP			1200	1300	î	PAR	i
WFPCGL2Ø8	-	_	WFC	IMAGE	ALL	F555W		ī	2600	1300	ī	PAR	ī
WFPCGL2Ø8	_	-	WFC	IMAGE	ALL	F785LP		ī	2600	1300	1	PAR	ī
WFPCGL21Ø	_	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1300	1	PAR	ī
WFPCGL21Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	ī
WFPCGL212	_	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	ī
WFPCGL212	-	_	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	ī
WFPCGL214	_	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	1
WFPCGL214	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL216	_	-	WFC	IMAGE	ALL	F555W		1	2600	1300	1	PAR	2
WFPCGL216	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	
WFPCGL218	<b>-</b>	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1300	1	PAR	1
WFPCGL218	· -	-	WFC	IMAGE	ALL	F785LP		1	2600	1300	1	PAR	1
WFPCGL22Ø	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL22Ø	-	-	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL222	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1
WFPCGL222	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL224	-	-	WFC	IMAGE	ALL	F555W		1	1200	1300	1	PAR	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
WFPCGL224	***	_	WFC	IMAGE	ALL	F785LP		1	1200	1300	1	PAR	1
WFPCGL226	_	-	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	ī
WFPCGL226	_	_	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	1
WFPCGL228	-	_	WFC	IMAGE	ALL	F555W		-	1200	1300	1	PAR	1
WFPCGL228	_		WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	ï
WFPCGL23Ø	_	_	WFC	IMAGE	ALL	F555W			2600	1300	1	PAR	ī
WFPCGL23Ø	-	_	WFC	IMAGE	ALL	F785LP			2600	1300	1	PAR	<u>1</u>
WFPCGL232	-	_	WFC	IMAGE	ALL	F555W		_	2600	1300	ī	PAR	2
WFPCGL232	_	_	WFC	IMAGE	ALL	F785LP			2600	1300	1	PAR	2
WFPCGL234	_	_	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	ī
WFPCGL234		_	WFC	IMAGE	ALL	F785LP			1200	1300	1	PAR	ĭ
WFPCGL236	_	_	WFC	IMAGE	ALL	F555W			1200	1300	1	PAR	1
WFPCGL236	_	_	WFC	IMAGE	ALL	F785LP		_	1200	1300	1	PAR	ĩ
WFPCGL238	_	_	WFC	IMAGE	ALL	F555W			2600	1300	1	PAR	3
WFPCGL238	_	***	WFC	IMAGE	ALL	F785LP			2600	1300	1	PAR	2
WFPCHI100	_	_	WFC	IMAGE	ALL	F555W		ī	2600	1297	ī	PAR	2
WFPCHI100	_	-	WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI102	_	_	WFC	IMAGE	ALL	F555W			2600	1297	î	PAR	2
WFPCHI102	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI104	_		WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI104	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	î	PAR	3
WFPCHI104	_	_	WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI100		_	WFC	IMAGE	ALL	F785LP		_	2600	1297	ī	PAR	3
WFPCHI108	_	_	WFC	IMAGE	ALL	F555W			2600	1297	î	PAR	2
WFPCHI108	_	_	WFC	IMAGE	ALL	F785LP			26ØØ	1297	î	PAR	3
WFPCHI1100	_		WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI110	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI112	_	_	WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI112	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	i	PAR	3
WFPCHI114	_		WFC	IMAGE	ALL	F555W		_	2600	1297	î	PAR	2
WFPCHI114	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI116	_	-	WFC	IMAGE	ALL	F555W			2600	1297	î	PAR	2
WFPCHI116	_		WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI118	_	_	WFC	IMAGE	ALL	F555W		_	2600	1297	ī	PAR	ž
WFPCHI118	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	î	PAR	3
WFPCHI12Ø	_	_	WFC	IMAGE	ALL	F555W		_	2600	1297	ī	PAR	2
WFPCHI12Ø	_	_	WFC.	IMAGE	ALL	F785LP			2600	1297	î	PAR	3
WFPCHI122	_	_	WFC	IMAGE	ALL	F555W		_	2600	1297	ī	PAR	2
WFPCHI122	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	ī	PAR	3
WFPCHI124	_	_	WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI124	_	_	WFC	IMAGE	ALL	F785LP		_	2600	1297	ī	PAR	3
WFPCHI124	_	_	WFC	IMAGE	ALL	F555W			2600	1297	ī	PAR	2
WFPCHI126	_	_	WFC	IMAGE	ALL	F785LP		_	2600	1297	ī	PAR	3
WFPCHI128	-	_	WFC	IMAGE	ALL	G8ØØL		_	2600	1297	ī	PAR	ĭ
WFPCHI130	_	_	WFC	IMAGE	ALL	G8ØØL			2600	1297	î	PAR	î
	-	_	WFC	IMAGE	ALL	G8ØØL			2600	1297	i	PAR	i
WFPCHI132	<u> </u>	_	WFC	IMAGE	ALL	G8ØØL		_	2600	1297	i	PAR	i
WFPCHI134	- 4	-	WFC	IMAGE	ALL	G8ØØL	.*	_	2600 2600	1297	1	PAR	1
WFPCHI136	-	-	WFC	IMAGE	ALL			_	2600 2600	1297	1	PAR	1
WFPCHI138	-	-	WFC	IMAGE	ALL	G8ØØL		_	26ØØ	1297	1	PAR	2
WFPCHI14Ø	<b></b>	-	WFC	IMAGE		F555W		_		1297	1	PAR	3
WFPCHI14Ø	-	-	WFC		ALL	F785LP			2600				3 2
WFPCHI142	-	-	TIPL	IMAGE	ALL	F555W		1	2600	1297	T	PAR	2

#### Parallel Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
WFPCHI142	-	_	WFC	IMAGE	ALL	F7Ø2W		1	26øø	1297	1	PAR	2
WFPCHI142	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	2
WFPCHI144	-	_	WFC	IMAGE	ALL	F555W		1	26ØØ	1297	1	PAR	ī
WFPCHI144	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	ī
WFPCHI146	-	-	WFC	IMAGE	ALL	F555W		1	26ØØ	1297	1	PAR	ī
WFPCHI146	-	-	WFC	IMAGE	ALL	F7Ø2W		1	26ØØ	1297	1	PAR	1
WFPCHI146	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	ī
WFPCHI148	-	_	WFC	IMAGE	ALL	F555W		1	26ØØ	1297	1	PAR	1
WFPCHI148	-	_	WFC	IMAGE	ALL	F7Ø2W		1	2600	1297	1	PAR	1
WFPCHI148			WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	1
WFPCHI15Ø	-		WFC	IMAGE	ALL	F555W		1	26ØØ	1297	1	PAR	2
WFPCHI15Ø	-	_	WFC	IMAGE	ALL	F7Ø2W		1	2600	1297	1	PAR	2
WFPCHI15Ø	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	2
WFPCHI152	-	_	WFC	IMAGE	ALL	F555W			26ØØ	1297	1	PAR	2
WFPCHI152	-	-	WFC	IMAGE	ALL	F7Ø2W		1	26ØØ	1297	1	PAR	2
WFPCHI152	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	2
WFPCHI154	-	-	WFC	IMAGE	ALL	F555W			26ØØ	1297	1	PAR	2
WFPCHI154	-	-	WFC	IMAGE	ALL	F7Ø2W			2600	1297	1	PAR	2
WFPCHI154	<del>-</del> ,		WFC	IMAGE	ALL	F785LP		_	2600	1297	1	PAR	2
WFPCHI156	-	-	WFC	IMAGE	ALL	F336W		_	2600	1297	1	PAR	1
WFPCHI156	-	_	WFC	IMAGE	ALL	F555W			26ØØ	1297	1	PAR	1
WFPCHI156	-	_	WFC	IMAGE	ALL	F785LP			26ØØ	1297	1	PAR	1
WFPCHI162	-	-	WFC	IMAGE	ALL	F336W			26ØØ	1297	1	PAR	1
WFPCHI162	-	-	WFC	IMAGE	ALL	F555W			26ØØ	1297	1	PAR	1
WFPCHI162	-	-	WFC	IMAGE	ALL	F785LP			2600	1297	1	PAR	1
WFPCHI164	-	-	WFC	IMAGE	ALL	F336W			2600	1297	1	PAR	1
WFPCHI164	-	-	WFC	IMAGE	ALL	F555W		_	2600	1297	1	PAR	1
WFPCHI184	-	-	WFC	IMAGE	ALL	F785LP			2600	1297	1	PAR	1 .
WFPCHI168	-	-	WFC	IMAGE	ALL	G8ØØL EESEW			2600	1297	1	PAR	1
WFPCHI17Ø WFPCHI17Ø	-	-	WFC	IMAGE	ALL ALL	F555W F785LP			2600	1297	1	PAR	1
WFPCHI172	-	-	WFC WFC	IMAGE IMAGE	ALL	F555W			2600	1297	1	PAR	1
WFPCHI172	-	-	WFC .	IMAGE					2600	1297	1	PAR	1
WFPCHI174	-		WFC	IMAGE	ALL ALL	F785LP F555W			26ØØ 26ØØ	1297	1	PAR	1
WFPCHI174	-	-	WFC	IMAGE	ALL	F785LP			26ØØ	1297 1297	1	PAR	1
WFPCHI176	-	-	WFC	IMAGE	ALL	G8ØØL			26ØØ	1297	1	PAR PAR	1
WFPCHI178	_		WFC	IMAGE	ALL	F555W		_	26ØØ	1297	1		1
WFPCHI178	-	_	WFC	IMAGE	ALL	F785LP			26ØØ	1297	1	PAR	1
WFPCHI18Ø		_	WFC	IMAGE	ALL	F555W		-	2600	1297	1 1	PAR PAR	1
WFPCHI18Ø		_	WFC	IMAGE	ALL	F785LP			2600	1297	1	PAR	1
WFPCHI182		_	WFC	IMAGE	ALL	F555W			2600	1297	1	PAR	1
WFPCHI182	_	-	WFC	IMAGE	ALL	F785LP		_	26ØØ	1297	1	PAR	1
WFPCHI184	_	<u>-</u>	WFC	IMAGE	ALL	F555W		_	2600	1297	1	PAR	1
WFPCHI184		<del>-</del>	WFC	IMAGE	ALL	F785LP			2600	1297	1	PAR	1
WFPCHI186	_	_	WFC	IMAGE	ALL	G8ØØL		-	2600	1297	1	PAR	1
WFPCHI188	_	<u>-</u>	WFC	IMAGE	ALL	G8ØØL			26ØØ	1297	i	PAR	1
WFPCHI19Ø	·	_	WFC	IMAGE	ALL	F555W		_	26ØØ	1297	1	PAR	1
WFPCHI19Ø	_	_	WFC	IMAGE	ALL	F785LP		_	26ØØ	1297	1	PAR	_
WFPCHI192	_	_	WFC	IMAGE	ALL	F555W			2600	1297	1	PAR	1
WFPCHI192	_	_	WFC	IMAGE	ALL	F785LP			2600	1297	1	PAR	1
WFPCHI194	- <u>-</u>	_	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	_	PAR	1
WFPCHI194	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	rak	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
WFPCHI200	_	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI2Ø2	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI2Ø8	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI21Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI212	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI212	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI214	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI216	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI218	-	~	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI22Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI222	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI224	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI226	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI228	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI23Ø	-		WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI232		-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI234	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI236	-	-	WFC	IMAGE	ALL	G8ØØL		1	26ØØ	1297	1	PAR	1
WFPCHI238	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI24Ø	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI24Ø	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297		PAR	1
WFPCHI242	-	-	WFC	IMAGE	ALL	F336W		1	26ØØ	1297	1	PAR	1
WFPCHI242	••	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI242	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	1297	1	PAR	1
WFPCHI242	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI244	-	-	WFC	IMAGE	ALL	F336W		1	2600	1297	1	PAR	1
WFPCHI244	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI244	-	-	WFC	IMAGE	ALL	F7Ø2W		1	2600	1297	1	PAR	1
WFPCHI244	-		WFC	IMAGE	ALL	F785LP		1	2600	1297		PAR	1
WFPCHI246	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI248	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	. 1
WFPCHI25Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI252	-		WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI254	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI254	-	-	WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	1
WFPCHI256	•	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI256	-	-	WFC.	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI258	-	-	WFC	IMAGE	ALL	F555W			2600	1297	1	PAR	1
WFPCHI258	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297		PAR	1
WFPCHI26Ø	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI262	_	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI262	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI264	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI264	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297		PAR	1
WFPCHI266	-	-	WEC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI268	-	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI272	-	. · · <del>-</del>	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI274	_	-	WFC	IMAGE	ALL	G8ØØL		1	2600	1297	1	PAR	1
WFPCHI276	-	-	WFC	IMAGE	ALL	F336W		1	2600	1297	1	PAR	1
WFPCHI276	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI276		-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI278	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1

Parallel Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
WFPCHI278	-	_	WFC	IMAGE	ALL	F785LP		1	26ØØ	1297	1	PAR	1
WFPCHI28Ø	_	_	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	ī
WFPCHI28Ø	_	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI282	_	_	WFC	IMAGE	ALL	G8ØØL		ī	2600	1297	ī	PAR	ī
WFPCHI284	_		WFC	IMAGE	ALL	G8ØØL		ī	2600	1297	ī	PAR	ī
WFPCHI286	_	_	WFC	IMAGE	ALL	G8ØØL		ī	2600	1297	ī	PAR	ī
WFPCHI288	-	_	WFC	IMAGE	ALL	G8ØØL		ī	2600	1297	ī	PAR	i
WFPCHI29Ø	_	_	WFC	IMAGE	ALL	G8ØØL		ī	2600	1297	ī	PAR	i
WFPCHI292	_		WFC	IMAGE	ALL	G8ØØL		î	2600	1297	i	PAR	ī
WFPCHI294	· _	-	WFC	IMAGE	ALL	G8ØØL		i	2600	1297	ī	PAR	i
WFPCHI296	_	_	WFC	IMAGE	ALL	G8ØØL		i	2600	1297	1	PAR	i
WFPCHI298	_	_	WFC	IMAGE	ALL	F336W		1	2600	1297	i	PAR	i
WFPCHI298	_	_	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	i
WFPCHI298	_		WFC	IMAGE	ALL	F7Ø2W		1	2600	1297	1	PAR	1
WFPCHI298	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI300		_	WFC	IMAGE	ALL	F336W		1	2600	1297	_	PAR	
WFPCHI300		_	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI300	_	-	WFC	IMAGE	ALL	F7Ø2W				1297		PAR	1
	_	_	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI3ØØ	-	-	WFC	IMAGE	ALL	F555W		1	2600		1		1
WFPCHI3Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI3Ø2		_	WFC	IMAGE	ALL			1	2600	1297	1	PAR	1
WFPCHI3Ø4	-		WFC	IMAGE		F555W		1	2600	1297	1	PAR	1
WFPCHI3Ø4	-	-	WFC	IMAGE	ALL ALL	F785LP		1	2600	1297	1	PAR	1
WFPCHI3Ø6	-	-				G8ØØL Effew		1	2600	1297	1	PAR	1
WFPCHI3Ø8	-		WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	2
WFPCHI3Ø8	-	-	WEC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	3
WFPCHI31Ø	. =	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	2
WFPCHI31Ø	-	. <del>-</del>	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	3
WFPCHI312	-	-	WFC	IMAGE	ALL	F555W		1	2600	1297	1	PAR	1
WFPCHI312	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1297	1	PAR	1
WFPCSP1ØØ	-	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP1ØØ	-		WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP1Ø2	-	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP1Ø2	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP1Ø4	-	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP1Ø4	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP1Ø6	-	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP1Ø6	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP1Ø8	-	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP1Ø8	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP11Ø	-	-	WFC	IMAGE	ALL	F555W_		1	1200	1298	1	PAR	1
WFPCSP11Ø	-	-	WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP112	_	-	WFC	IMAGE	ALL	F555W		1	1200	1298	1	PAR	1
WFPCSP112	-		WFC	IMAGE	ALL	F785LP		1	1200	1298	1	PAR	1
WFPCSP114	-	-	WFC	IMAGE	ALL	F555W		1	2600	1298	1	PAR	1
WFPCSP114	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1298	1	PAR	1
WFPCSP116	-	~	WFC	IMAGE	ALL	F555W		1	2600	1298	1	PAR	1
WFPCSP116	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1298	1	PAR	1
WFPCSP118	-	-	WFC	IMAGE	ALL	F555W		1	2600	1298	1	PAR	1
WFPCSP118	-	-	WFC	IMAGE	ALL	F785LP		1	2600	1298	1	PAR	1
WFPCSP12Ø	-	_	WFC	IMAGE	ALL	F555W		ī	2600	1298	1	PAR	1
WFPCSP12Ø	-	_	WFC	IMAGE	ALL	F785LP		ī	2600	1298	1	PAR	
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##FPCSP122	tal nes
#FPCSF122 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF124 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF126 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF126 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF126 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF128 WFC IMAGE ALL F585W 1 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 1 2686 1298 1 PAR WFPCSF132 WFC IMAGE ALL F585W 1 1 2686 1298 1 PAR WFPCSF132 WFC IMAGE ALL F585W 1 1 2686 1298 1 PAR WFPCSF132 WFC IMAGE ALL F585W 1 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF134 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF136 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF144 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF146 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF146 WFC IMAGE ALL F585W 1 2686 1298 1 PAR WFPCSF14	
WFFCSP124	1
WFPCSP126	1
WFPCSP128	1
#FFCSF128 -	1
#FFCSF128	1
WFPCSF128	1
HFPCSP138	1
#FPCSP136	1
WFPCSP138	2
##PCSP132	1
#FPCSP134 WFC IMAGE ALL F785LP 1 2600 1298 1 PAR WFPCSP134 WFC IMAGE ALL F336W 1 2600 1298 1 PAR WFPCSP134 WFC IMAGE ALL F585W 1 2600 1298 1 PAR WFPCSP134 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP136 WFC IMAGE ALL F185LP 1 2600 1298 1 PAR WFPCSP136 WFC IMAGE ALL F185LP 1 2600 1298 1 PAR WFPCSP136 WFC IMAGE ALL F585W 1 2600 1298 1 PAR WFPCSP136 WFC IMAGE ALL F585W 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP138 WFC IMAGE ALL F585LP 1 1200 1298 1 PAR WFPCSP140 WFC IMAGE ALL F585LP 1 1200 1298 1 PAR WFPCSP140 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP140 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP142 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP142 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP144 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP146 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP146 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP146 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP148 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP146 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP148 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP148 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP150 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP150 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP150 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP150 WFC IMAGE ALL F585LP 1 2600 1298 1 PAR WFPCSP150 WFC IMAGE ALL F585LP 1	1
##FCSP134 -	1
WFPCSP134         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP136         -         -         WFC         IMAGE         ALL         F795LP         1         260Ø         1298         1         PAR           WFPCSP136         -         -         WFC         IMAGE         ALL         F536W         1         260Ø         1298         1         PAR           WFPCSP136         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F555W         1         126Ø         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F555W         1         126Ø         1298         1         PAR         WFCSP136         1         26Ø         1298         1         PAR	1 2
WFPCSP136	1
WFPCSP136         -         -         WFC         IMAGE         ALL         F194W         1         2600         1298         1         PAR           WFPCSP136         -         -         WFC         IMAGE         ALL         F355W         1         2600         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F755LP         1         2600         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F755LP         1         1200         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F755LP         1         1200         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F755LP         1         2600         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F755LP         1         2600         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE </td <td>_</td>	_
WFCSP136         -         -         WFC         IMAGE         ALL         F336W         1         2600         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP138         -         -         WFC         IMAGE         ALL         F555W         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F555W         1         1200         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F555W         1         2600         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F555W         1         2600         1298         1         PAR           WFPCSP140         -         -         WFC         IMAGE         ALL         F555W         1         2600         1298         1         PAR           WFPCSP142         -         -         WFC         IMAGE	1 2
WFPCSP138	2
WFPCSP138	1
WFPCSP138	1
WFPCSP140	i
WFPCSP140	1
WFPCSP14Ø         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP142         -         -         WFC         IMAGE         ALL         F336W         1         260Ø         1298         1         PAR           WFPCSP142         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE <td>1</td>	1
WFPCSP142         -         -         WFC         IMAGE         ALL         F336W         1         260Ø         1298         1         PAR           WFPCSP142         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F555W         1         120Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE	i
WFPCSP142         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F565W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F565BV         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP168         -         -         WFC         IMAGE </td <td>2</td>	2
WFPCSP142         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         2600         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP150         -         -         WFC         IMAGE<	ī
WFPCSP144         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP144         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F785LP         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP158         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP158         -         -         WFC         IMAGE<	ī
WFPCSP144         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP146         -         -         WFC         IMAGE         ALL         F785LP         1         2600         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F785LP         1         1200         1298         1         PAR           WFPCSP150         -         -         WFC         IMAGE	ī
WFPCSP146         -         -         WFC         IMAGE         ALL         F555W         1         260Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F555W         1         120Ø         1298         1         PAR           WFPCSP148         -         -         WFC         IMAGE         ALL         F555W         1         120Ø         1298         1         PAR           WFPCSP15Ø         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP15Ø         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP15Ø         -         -         WFC         IMAGE         ALL         F785LP         1         120Ø         1298         1         PAR           WFPCSP152         -         -         WFC         IMAGE         ALL         F785LP         1         126ØØ         1298         1         PAR           WFPCSP156         -         -         -         WFC	1
WFPCSP148       -       -       WFC       IMAGE       ALL       F555W       1       1200       1298       1       PAR         WFPCSP148       -       -       WFC       IMAGE       ALL       F785LP       1       1200       1298       1       PAR         WFPCSP150       -       -       WFC       IMAGE       ALL       F785LP       1       1200       1298       1       PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F555W       1       2600       1298       1       PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F785LP       1       2600       1298       1       PAR         WFPCSP156       -       -       WFC       IMAGE       ALL       F555W       1       1200       1298       1       PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1       1200       1298       1       PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1       2600       1298       1       PAR         WF	ī
WFPCSP148       -       -       WFC       IMAGE       ALL       F785LP       1 1200 1298 1 PAR         WFPCSP150       -       -       WFC       IMAGE       ALL       F555W       1 1200 1298 1 PAR         WFPCSP150       -       -       WFC       IMAGE       ALL       F785LP       1 1200 1298 1 PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP156       -       -       WFC       IMAGE       ALL       F785LP       1 1200 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 1200 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F336W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE <td< td=""><td>1</td></td<>	1
WFPCSP15Ø       -       -       WFC       IMAGE       ALL       F555W       1 120Ø       1298       1 PAR         WFPCSP15Ø       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP16Ø	1
WFPCSP15Ø       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F555W       1 120Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP15B       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR	1
WFPCSP152       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP152       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP156       -       -       WFC       IMAGE       ALL       F785LP       1 120Ø       1298       1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø       1298       1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø       1298       1 PAR	1
WFPCSP152       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP156       -       -       WFC       IMAGE       ALL       F555W       1 1200 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F336W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR	1
WFPCSP156       -       -       WFC       IMAGE       ALL       F555W       1 1200 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F336W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR	1
WFPCSP156       -       -       WFC       IMAGE       ALL       F785LP       1 1200 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F336W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR	1
WFPCSP158       -       -       WFC       IMAGE       ALL       F555W       1 260Ø 1298 1 PAR         WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø 1298 1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø 1298 1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø 1298 1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø 1298 1 PAR	1
WFPCSP158       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F336W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F555W       1 2600 1298 1 PAR         WFPCSP160       -       -       WFC       IMAGE       ALL       F785LP       1 2600 1298 1 PAR	1
WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F336W       1 260Ø 1298 1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F555W       1 260Ø 1298 1 PAR         WFPCSP16Ø       -       -       WFC       IMAGE       ALL       F785LP       1 260Ø 1298 1 PAR	1
WFPCSP16Ø         -         -         WFC         IMAGE         ALL         F555W         1 260Ø         1298 1 PAR           WFPCSP16Ø         -         -         WFC         IMAGE         ALL         F785LP         1 260Ø         1298 1 PAR	1
WFPCSP160 WFC IMAGE ALL F785LP 1 2600 1298 1 PAR	1
	1
WFPCSP162 WFC IMAGE ALL F336W 1 2600 1298 1 PAR	1
	2
WFPCSP162 WFC IMAGE ALL F555W 1 2600 1298 1 PAR	1
WFPCSP162 WFC IMAGE ALL F785LP 1 2600 1298 1 PAR	1
WFPCSP164 WFC IMAGE ALL F336W 1 2600 1298 1 PAR	2
WFPCSP164 WFC IMAGE ALL F555W 1 2600 1298 1 PAR	1
WFPCSP164 WFC IMAGE ALL F785LP 1 2600 1298 1 PAR	1
WFPCSP166 WFC IMAGE ALL F336W 1 2600 1298 1 PAR	2
WFPCSP166 WFC IMAGE ALL F555W 1 2600 1298 1 PAR	1

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#### Parallel Targets

Target	RA (2ØØØ)	Dec (2000)	Inst. ( Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
WFPCSP168 WFPCSP168 WFPCSP168 WFPCSP168	- - -	- - -	WFC WFC WFC	IMAGE IMAGE IMAGE IMAGE	ALL ALL ALL ALL	F785LP F336W F555W F785LP		1 1 1	26ØØ 26ØØ 26ØØ 26ØØ	1298 1298 1298 1298	1 1 1	PAR PAR PAR PAR	1 2 1

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# 4.5 FIXED-TARGET OBSERVATIONS FOR GO PROGRAMS

	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
	NGC4Ø51	-	-	WFC	IMAGE	ALL	F194W		1	3ØØ	26Ø8	1	ACQ	1
2	NGC4Ø51	-		HSP/UV2	PRISM	1.0	F262M/F145M		1	426Ø	26Ø8	1		1
	NGC6814	-	-	WFC	IMAGE	ALL	F194W		1	300	26Ø8	1	ACQ	1
	NGC6814			HSP/UV2	PRISM	1.0	F262M/F145M		1	4200	26Ø8	1		1
	QØØØØ-28	Ø 3 23.Ø		WFC	IMAGE	ALL	F7Ø2W		1	200	2350	1		1
	QØØØØ-26	Ø 3 23.Ø		WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	2350	1		1
	WDØØØ2+729	Ø 5 6.2		PC BC	IMAGE	P5	F439W		1	5	2579	1		1
	WDØØØ2+729	Ø 5 6.2 Ø 5 6.2		PC	IMAGE	P5 P6	F555W		1	1	2579	1		1
	WDØØØ2+729	Ø 5 6.2 Ø 5 6.2		PC PC	IMAGE IMAGE	P6	F336W		1	12	2579	1		1
	WDØØØ2+729 WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P6	F439W		1	5	2579	1		1
	WD0002+729	Ø 5 6.2		PC	IMAGE	P7	F555W F336W		1	1	2579	1		1 1
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P5	F785LP		1 1	11 8	2579	1		-
	WD0002+729	Ø 5 6.2		PC	IMAGE	P6	F785LP		1	8	2579 2579	1		1
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P7	F785LP		1	. 9	2579	1		1 1
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P5	F336W		1	13	2579	i		1
	WDØØØ2+729	Ø 5 6.2		PČ	IMAGE	P7	F439W		1	4	2579	i		i
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P7	F555W		i	1	2579	i		i
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P8	F336W		ī	5	2579	ī		ī
	WDØØØ2+729	Ø 5 6.2		PC	IMAGE	P8	F439W		ī	2	2579	î		ī
	WDØØØ2+729	Ø 5 6.2	73 13 11	PC	IMAGE	P8	F555W		ī	1	2579	ī		ī
	WDØØØ2+729	Ø 5 6.2	73 13 11	PC	IMAGE	P8	F785LP		1	8	2579	ī		ī
	UM18	Ø 5 2Ø.3	5 24 1Ø	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
	UM18	Ø 52Ø.3	5 24 10	FOS/BL	ACCUM	1.0	G16ØL	1837	1	810	2424	2	•	1
	PKSØØØ3+15	Ø 5 59.2	16 9 49	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
	PKSØØØ3+15	Ø 559.2		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
	PKSØØØ3+15	Ø 559.2		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	486	2424	1	-	1
	PKSØØØ3+15	Ø 559.2		FOS/BL	ACCUM	1.0	G13ØH	1379	1	68Ø9	2424	1		1
	PKSØØØ5-239	Ø 8 Ø.3		F0C/288	IMAGE	512X512	F21ØM		1	1800	2624	1		1
	KPDØØØ5+51Ø8	Ø 8 18.2		HRS	ACCUM	2.0	G16ØM	1615	1	528	2593	1		1
	KPDØØØ5+51Ø6	Ø 8 18.2		HRS	ACCUM	2.0	G16ØM	1342	1	300	2593	1		1
	KPD0005+5108	Ø 8 18.2		HRS	ACCUM	2.0	G16ØM	1557	1	3ØØ	2593	1		1
	KPD0005+5106	Ø 8 18.2		HRS	ACCUM	2.0	G14ØL	1293	1	222	2593	1		1
	KPDØØØ5+51Ø6	Ø 8 18.2		HRS	ACCUM	2.0	G14ØL	1556	1	672	2593	1		1
	ES0-0007-2514 ES0-0007-2514	Ø 9 55.9 Ø 9 55.9		WFC WFC	IMAGE IMAGE	ALL ALL	F555W F785LP		1	300	2775	1		1
	IIIZW2	Ø 9 55.9 Ø 1Ø 31.Ø		FOS/BL			MIRROR		1	300	2775	1	100	1
	IIIZW2	Ø 10 31.0 Ø 10 31.0		FOS/BL	ACQ/BINA ACCUM	Ø.5	G27ØH	0760	1	10	2717	1	ACQ	1 1
	IIIZW2	Ø 1Ø 31.Ø		FOS/BL	ACCUM	Ø.5	G13ØH	2769 1379	1 1	5ØØ 375Ø	2717 2717	1		1
	PKSØØØ8+171	Ø 1Ø 34.Ø		FOS/RD	ACCUM	1.0	G4ØØH	1379 4000	1	1140	2578	2		i
	PKSØØØ8+171	Ø 1Ø 34.Ø		FOS/RD	ACCUM	1.0	G27ØH	27ØØ	1	1500	2578	2		1
	PKSØØØ8+171	Ø 1Ø 34.Ø		FOS/RD	ACQ/BINA		MIRROR	2100	1	11	2578	2	ACQ	1
	54WØ57	Ø 17 44.7		WFC	IMAGE	W1	F555W	5479	i	75ØØ	2405	1	Acq	i
	54WØ57	Ø 17 44.7	16 51 16	WFC	IMAGE	W1	F785LP	8958	i	5100	2405	i		i
	GAL-CLUS-ØØ1558+16Ø9	Ø 18 33.6	16 25 46	WFC	IMAGE	ÄLL	F622W	0000	5	2300	2373	i		î
	-FLD1		-			_						_		_
	GAL-CLUS-001558+1609 -FLD1	Ø 18 33.6		WFC	IMAGE	ALL	F725LP		5	2300	2373	1		1
	GAL-CLUS-ØØ1558+16Ø9 -FLD2	Ø 18 35.2	16 27 21	WFC	IMAGE	ALL	F622W		5	23ØØ	2373	2		1
	GAL-CLUS-ØØ1558+16Ø9 -FLD2	Ø 18 35.2	16 27 21	WFC	IMAGE	ALL	F725LP		5	2300	2373	2		1

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
SMC-SMP1-PCPOS	Ø 23 58.Ø	-73 37 57	PC	IMAGE	P8	F487N		1	16ø	2266			1
SMC-SMP1-PCPOS	Ø 23 58.Ø	-73 37 57	PC	IMAGE	P8	F547M		1	23Ø	2266			1
SMC-SMP1-PCPOS	Ø 23 58.Ø	-73 37 57	PC	IMAGE	P8	F5Ø2N		1	220	2266	1	ACQ	1
SMC-SMP1	Ø 23 58.Ø	-73 37 49*	FOS/BL	ACCUM	1.0	G13ØH	1300	1	46Ø	2266	2		1
SMC-SMP1	Ø 23 58.Ø	-73 37 49*	FOS/RD	ACCUM	1.0	G19ØH	1900	1	13Ø	2266	2		1
SMC-SMP1-OFFSET		-73 37 49	FOS/BL	ACQ/BINA	4.3	MIRROR		1	27	2266		ACQ	1
47TUC-W76	Ø 24 3.2	-71 55 47	WFC	IMAGE	ALL	F284W		1	36Ø	2009		ACQ	1
47TUC-W76		-71 55 47	HRS	ACCUM	2.0	G27ØM	2800	3	798	2009			1
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	1	Ø	2691			1
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	1	2	2691	1		2
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	2	100	2691			1
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	3	3Ø	2691			1
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	4	3Ø	2691	1		1
NGCØ1Ø4		-71 57 55	PC	IMAGE	ALL	F555W	5479	5	3Ø	2691	1		2
0023+171	Ø 25 37.1		WFC	IMAGE	ALL	F555W		1	500	2350		*	1
ØØ23+171	Ø 25 37.1		WFC	IMAGE	ALL	F555W			2000	235Ø	_		1
0023+171	Ø 25 37.1		WFC	IMAGE	ALL	F785LP		1	500	2350			1
ØØ23+171	Ø 25 37.1		WFC	IMAGE	ALL	F785LP		_	2000	235Ø			1
TYCHO-KNOTG	Ø 25 53.4		WFC	IMAGE	ALL	F656N		_	2500	2355			1
TYCHO-KNOTG	Ø 25 53.4	- · ·	WFC	IMAGE	ALL	F658N		_	2500	2355			1
GAL-CLUS-002400+1653 00-FLD2	Ø 26 29.8		WFC	IMAGE	ALL	F814W		_	23ØØ	2373	-		1
GAL-CLUS-002400+1653 00-FLD2	Ø 26 29.8		WFC	IMAGE	ALL	F555₩		4	23ØØ	2373			1
NABØØ24+22	Ø 27 15.3		FOS/BL	ACQ/BINA		MIRROR		1	11	2424		ACQ	1
NABØØ24+22	Ø 27 15.3		FOS/BL	ACCUM	1.0	G16ØL	1837	1	4Ø6	2424	_		1
ØØ26+129	Ø 29 13.7		HRS	ACCUM	2.0	G27ØM	2807	2	435	2553			1
ØØ26+129	Ø 29 13.7		HRS	ACCUM	2.0	G16ØM	1562	6	55Ø	2553			1
ES0-0027-3331	Ø 3Ø 21.5		WFC	IMAGE	ALL	F555W		1	300	2775			1
ES0-0027-3331	Ø 3Ø 21.5		WFC	IMAGE	ALL	F785LP		1	300	2775			1
MII-EXT-CLUSTER-M31	Ø 32 46.6		WFC	IMAGE	ALL	F336W	4000	1	700	2298	_	ACQ	1
MII-EXT-CLUSTER-M31	Ø 32 46.6		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH	4000	1	855	2298	_		1
MII-EXT-CLUSTER-M31	Ø 32 46.6		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1300	-	168Ø	2298	_		1
MII-EXT-CLUSTER-M31	Ø 32 46.6		FOS/RD	ACCUM	1.Ø-PAIR	G27ØH	2700		1939	2298		4.00	1
MII-OFFSET MII-OFFSET	Ø 32 48.6		_ *.	ACQ/BINA		MIRROR		1	24	2298 2298		ACQ	1
	0 32 48.6		FOS/RD	ACQ/BINA		MIRROR		1	24		_	ACQ	1
G2 G2	Ø 33 33.8 Ø 33 33.8		F0C/96	IMAGE	512X512	F43ØW			2000 7639	2583 2583			1
			F0C/96	IMAGE	512X512	F48ØLP Mirror		1				4.00	1
MC40031-707 MC40031-707	Ø 34 5.1		FOS/BL	ACQ/BINA		MIRROR		-	11	2424		ACQ	1
	Ø 34 5.1		FOS/RD	ACQ/BINA			0752	1	11 300	2424		ACQ	1
MC40031-707		-7Ø 25 54	FOS/RD	ACCUM	1.0	G27ØH	2753 198ø	1		2424			1
MC40031-707	0 34 5.1		FOS/RD	ACCUM	1.Ø 1.Ø	G19ØH G13ØH		1	696 5346	2424 2424			1 1
MC40031-707	Ø 34 5.1		FOS/BL	ACCUM			1379						1
SMC-SMP3-PCPOS SMC-SMP3-PCPOS		-73 13 32	PC PC	IMAGE	P8	F487N		1	6ØØ 6ØØ	2266 2266			1
SMC-SMP3-PCPUS		-73 13 32	PC	IMAGE	P8	F547M		1	190	2266	_	A CO	1
SMC-SMP3		-73 13 32 -73 13 43*		IMAGE ACCUM	P8	F5Ø2N G13ØH	1300	1 1	880	2266	_	ACQ	1
SMC-SMP3		-73 13 43 <b>*</b> -73 13 43 <b>*</b>		ACCUM	1.Ø 1.Ø	G13ØH G19ØH	1900	1	240	2266			1
SMC-SMP3-OFFSET	Ø 34 23.Ø		FOS/BL	ACQ/BINA		MIRROR	1300	1	11	2266		ACQ	1
G11	Ø 36 20.9		FOC/96	IMAGE	512X512	F43ØW			1141	2583	_	~~ eq	1
G11	Ø 36 20.9		FOC/96	IMAGE	512X512 512X512	F48ØLP			4362	2583			i
NGC224-FIELD	Ø 37 49.1		WFC	IMAGE	ALL	F555W		-	1200	2227			1
HACEET - I TEELD	D 01 43.1	70 0 23	III C	エルイグに	ALL	1 00011		_	1400	2221			-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Tot: Line	
NGC224-FIELD	Ø 37 49.1	. 4Ø 6 29	WFC	IMAGE	ALL	F785LP		•	1200	2227	•			
NGC224-FIELD	Ø 37 49.1		F0C/48	IMAGE	512X1Ø24	F15ØW		1 1	1200	2227	1	PAR		1
NGC224-FIELD	Ø 37 49.1		F0C/48	IMAGE	512X1024	F43ØW		1	1200	2227	i	PAR		i
PKSØØ35-39		-38 59 44	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ		1
PKSØØ35-39	Ø 38 27.3		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ		1
PKSØØ35-39		-38 59 44	FOS/BL	ACCUM	1.0	G16ØL	1837	1	498	2424	3	ACQ		i
PKSØØ35-39		-38 59 44	FOS/RD	ACCUM	1.0	G19ØH	198Ø	i	1368	2424	3			i
PKSØØ35-39			FOS/RD	ACCUM	1.0	G27ØH	2753	i	461	2424	3			i
NGC2Ø5-UV-STARS-POS1			F0C/48	IMAGE	512X512	F15ØW	2100	i	1560	2719	ĭ			2
NGC2Ø5-UV-STARS-POS1			F0C/48	IMAGE	512X512	F22ØW		ī	1080	2719	î			2
K58-EXT-CLUSTER-M31	Ø 4Ø 28.4		WFC	IMAGE	ALL	F336W		î	700	2298	î	ACQ		ĩ
K58-EXT-CLUSTER-M31	Ø 4Ø 26.4		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH	4000	ī	483	2298	ī			ī
K58-EXT-CLUSTER-M31	Ø 4Ø 26.4		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1300	ī	168Ø	2298	ī			ī
K58-EXT-CLUSTER-M31	Ø 4Ø 26.4	41 27 28	FOS/RD	ACCUM	1.Ø-PAIR	G27ØH	2700	ī	2205	2298	1			ī
K58-OFFSET	Ø 4Ø 26.4		FOS/BL	ACQ/BINA		MIRROR		ī	24	2298	ī	ACQ		ī
K58-OFFSET	Ø 4Ø 26.4		•	ACQ/BINA		MIRROR		ī	24	2298	ī	ACQ		1
M31-0B78-277	Ø 4Ø 3Ø.4		HRS	ACCUM	2.0	G14ØL	1623	2	600	2581	1			1
M31-0B78-277	Ø 4Ø 3Ø.4	40 42 33	HRS	ACCUM	2.0	G14ØL	1343	3	600	2581	1			1
G84	Ø 4Ø 32.4	41 21 44	F0C/96	IMAGE	512X512	F43ØW		1	2000	2583	1			1
G64	Ø 4Ø 32.4	41 21 44	F0C/96	IMAGE	512X512	F48ØLP		1	7639	2583	1			1
M31-0B69-WR2	Ø 4Ø 56.5	41 3 8	HRS	ACCUM	2.Ø	G14ØL	1343	8	600	2581	1			1
M31-0B69-WR2	Ø 4Ø 56.5	41 3 8	HRS	ACCUM	2.0	G14ØL	1623	6	600	2581	1			1
SMC-C12Ø	Ø 41 15.4	-73 44 35	WFC	IMAGE	ALL	F5Ø2N		1	600	2263	1	PAR		1
SMC-C12Ø	Ø 41 15.4	-73 44 35	WFC	IMAGE	ALL	F555W		1	7	2263	1	PAR		1
SMC-C12Ø	Ø 41 15.4	-73 44 35	WFC	IMAGE	ALL	F7Ø2W		1	3	2263	1	PAR		1
SMC-C12Ø	Ø 41 15.4	-73 44 35	WFC	IMAGE	ALL	F785LP		1	. 3	2263	1	PAR		1
SMC-C12Ø		-73 44 35	WFC	IMAGE	ALL	F785LP		1	8	2263	1	PAR		1
SMC-SMP6			FOS/BL	ACCUM	1.Ø	G13ØH	1300	1	49Ø	2266	2			1
SMC-SMP6			FOS/RD	ACCUM	1.0	G19ØH	1900	1	13Ø	2266	2			1
SMC-SMP6-OFFSET			FOS/BL	ACQ/BINA		MIRROR		1	27	2266	2	ACQ		1
SMC-SMP8-PCPOS		73 47 9	PC	IMAGE	P8	F487N		1	3Ø	2266	1			1
SMC-SMP6-PCPOS		73 47 9	PC	IMAGE	P8	F547M		1	3Ø	2266	1			1
SMC-SMP6-PCPOS		73 47 9	PC ·	IMAGE	P8	F5Ø2N		1	1Ø	2266	1	ACQ		1
SMC-26M3		-73 18 10	PC	IMAGE	ALL	F5Ø2N		1	300	2263	1	SEL		1
SMC-26M3		-73 18 10	PC	IMAGE	ALL	F547M		1	8Ø	2263	1	SEL		1
SMC-26M3		-73 18 10	PC	IMAGE	ALL	F487N		1	18Ø	2263	1	SEL		1
SMC-26M3		2 -73 18 10	PC	IMAGE	ALĻ ALL	F656N		1	230	2263	1	SEL!		1
SMC-26M3		-73 18 10	PC WFC	IMAGE	ALL	F658N		1	1500	2263	1	SEL I		1
SMC-26M3 SMC-26M3		2 -73 18 10 2 -73 18 10	WFC	IMAGE IMAGE	ALL	F547M		1	20	2263	1	SEL I		1
SMC-26M3		-73 10 10 -73 18 10	WFC	IMAGE	ALL	F658N		1	1000	2263	1	SEL		1
SMC-26M3		-73 18 10 -73 18 10	WFC	IMAGE	ALL	F487N		1	140	2263	1	SEL		1
SMC-26M3			WFC	IMAGE	ALL	F656N		1	140	2263	1	SEL		1
	Ø 42 18.2	2 -73 18 10	MEC	IMAGE		F5Ø2N		1	23Ø	2263	1	CON :		1
NGC224-7	Ø 42 3Ø.9		WFC	IMAGE	ALL	F718M		1	600	2735	1			1
NGC224-7	Ø 42 3Ø.9		WFC	IMAGE	ALL	F875M		1	500	2735	1			1
NGC224-7	Ø 42 3Ø.9		WFC	IMAGE	ALL	F1Ø42M		1	1200	2735	1			1
NGC224-8	Ø 42 3Ø.9		WFC	IMAGE	ALL	F718M		1	600	2735	1			1
NGC224-8	Ø 42 3Ø.9		WFC	IMAGE	ALL	F875M		1	5ØØ	2735	1			1
NGC224-8	Ø 42 3Ø.9		WFC	IMAGE	ALL	F1Ø42M		1	1200	2735	1			1
NGC224-9	Ø 42 3Ø.9		WFC	IMAGE	ALL	F718M		1	600	2735	1			1
NGC224-9	Ø 42 3Ø.9	41 13 39*	WFC	IMAGE	ALL	F875M		1	5ØØ	2735	1			1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
NGC224-9	Ø 42 3Ø.9	41 13 39*	WFC	IMAGE	ALL	F1Ø42M		1	1200	2735	1		ì
SMC-SMP7-PCPOS	Ø 42 31.Ø	-73 21 1	PC	IMAGE	P8	F547M		1	1000	2266	1	*	1
SMC-SMP7-PCPOS	Ø 42 31.0	-73 21 1	PC	IMAGE	P8	F5Ø2N		1	1000	2266	1	ACQ	1
SMC-SMP7	Ø 42 33.Ø	-73 21 7*	FOS/BL	ACCUM	1.0	G13ØH	1300	1	1700	2266	2	•	1
SMC-SMP7	Ø 42 33.0	-73 21 7*	FOS/RD	ACCUM	1.0	G19ØH	1900	1	540	2266	2		1
SMC-SMP7-OFFSET	Ø 42 33.0	-73 21 7	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2266	2	ACQ	1
NGC221-UV-STARS	Ø 42 41.7	40 51 54	F0C/48	IMAGE	512X512	F15ØW		1	156Ø	2719	1		2
NGC221-UV-STARS	Ø 42 41.7	40 51 54	F0C/48	IMAGE	512X512	F22ØW		1	1080	2719	1		2
NGC224-2	Ø 42 44.2	41 13 39*	WFC	IMAGE	ALL	F718M		1	600	2735	1	•	1
NGC224-2	Ø 42 44.2	41 13 39*	WFC	IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-2	Ø 42 44.2	41 13 39*	WFC	IMAGE	ALL	F1Ø42M		1	1200	2735	1		1
NGC224-1	0 42 44.2		PC	IMAGE	ALL	F875M		2	400	2735	1		1
NGC224-1	Ø 42 44.2		PC	IMAGE	ALL	F439W		1	15Ø	2735	1		1
NGC224-1	Ø 42 44.2		PC	IMAGE	ALL	F622W		1	150	2735	1		1
NGC224-1	Ø 42 44.2	-	PC	IMAGE	ALL	F718M		1	1200	2735	1		1
NGC224-1	Ø 42 44.2		WFC	IMAGE	ALL	F718M		1	600	2735	1		1
NGC224-1	Ø 42 44.2		WFC	IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-1	Ø 42 44.2		PC	IMAGE	ALL	F1Ø42M		2	1200	2735	1		1
NGC224-1	Ø 42 44.2		WFC	IMAGĘ	ALL	F1Ø42M		1	1200	2735	1		1
NGC224-8	Ø 42 44.2			IMAGE	ALL	F718M		1	600	2735	1		1
NGC224-6	Ø 42 44.2			IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-6	Ø 42 44.2		777	IMAGE	ALL	F1Ø42M		1	1200	2735	1		1
NGC224-UV-STARS	Ø 42 44.9		F0C/48	IMAGE	512X512	F15ØW		1	156Ø	2719	1		2
NGC224-UV-STARS	Ø 42 44.9		F0C/48	IMAGE	512X512	F22ØW		1	1080	2719	1		2
NGC224-3	Ø 42 57.5			IMAGE	ALL	F718M		1	600	2735	1		1
NGC224-3	Ø 42 57.5			IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-3	Ø 42 57.5			IMAGE	ALL	F1Ø42M		1	1200	2735	1		1
NGC224-4	Ø 42 57.5			IMAGE	ALL	F718M		1	600	2735	1		1
NGC224-4	Ø 42 57.5		•••	IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-4	Ø 42 57.5			IMAGE	ALL	F1Ø42M		1	1200	2735	1		1
NGC224-5	Ø 42 57.5			IMAGE	ALL	F718M		1	600	2735	1		1
NGC224-5	Ø 42 57.5			IMAGE	ALL	F875M		1	500	2735	1		1
NGC224-5	Ø 42 57.5	_ ,		IMAGE	ALL	F1Ø42M		1	1200	2735	1	4.00	1
MIV-EXT-CLUSTER-M31	Ø 43 17.8		WFC	IMAGE	ALL	F336W	4000	1	7ØØ	2298 2298	1	ACQ	1
MIV-EXT-CLUSTER-M31 MIV-EXT-CLUSTER-M31	Ø 43 17.8		FOS/RD	ACCUM ACCUM	1.0-PAIR	G4ØØH	4000 1300	1	785 168Ø	2298	1		1 1
MIV-EXT-CLUSTER-M31	Ø 43 17.8 Ø 43 17.8		FOS/BL FOS/RD	ACCUM	1.Ø-PAIR 1.Ø-PAIR	G13ØH G27ØH	27ØØ	1	2008	2298	1		<u> </u>
MIV-DFFSET	Ø 43 17.8 Ø 43 17.8			ACQ/BINA		MIRROR	2100	1	2006	2298	1	A CO	1
MIV-OFFSET			•			MIRROR		1	24	2298		ACQ	1
G244	Ø 43 17.8 Ø 43 45.5		FOS/RD FOC/96	ACQ/BINA IMAGE	512X512	F43ØW		1	2000	2583	1	ACQ	1
G244			F0C/96	IMAGE	512X512 512X512	F48ØLP		1	7639	2583	1		1
QØØ41-261			FOS/RD	ACCUM	1.0	G27ØH	256ø	1	1500	2644	_		1
Q0041-261	Ø 43 58.8 Ø 43 58.8		·	ACQ/BINA		MIRROR	2500	1	11	2644	1 1	ACQ	. 1
•			FOS/RD					1				ACQ	
G272 G272	Ø 44 14.3 Ø 44 14.3		F0C/98 F0C/98	IMAGE IMAGE	512X512 512X512	F43ØW F48ØLP		1	1141 4362	2583 2583	1		1 1
K28Ø-EXT-CLUSTER-M31			WFC	IMAGE	ALL	F336W		1	7ØØ	2298		ACQ	1
K280-EXT-CLUSTER-M31					_		1200	1	168Ø	2298	1	ved	1
K280-EXT-CLUSTER-M31	Ø 44 29.5 Ø 44 29.5		FOS/BL FOS/RD	ACCUM ACCUM	1.0-PAIR	G13ØH G4ØØH	1300 4000	1	858	2298	1		1
K280-EXT-CLUSTER-M31			FOS/RD	ACCUM	1.Ø-PAIR	G27ØH	4000 2700	1	1934	2298	1		1
K28Ø-DFFSET			•		1.Ø-PAIR		2100	1	24	2298	1	ACQ	i
K28Ø-OFFSET	Ø 44 29.5 Ø 44 29.5			ACQ/BINA ACQ/BINA		MIRROR MIRROR		1	24	2298	1	ACQ	1
G286	Ø 44 4Ø.2		PC	IMAGE	ANY	F555W		1	921	2583		PAR	i
3200	₩ 44 4W.2	41 10 M	7.0	TMAGE	VIA I	LOSSM		1	221	4003	1	FAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines
G286	Ø 44 4Ø.2	41 15 Ø	PC	IMAGE	ANY	F785LP		1 3	978	2583	1	PAR	1
NGC188-I69-CALIB	Ø 44 52.7		FOS/RD	ACQ/BINA		MIRROR		1	Ø	26ØØ	1	ACQ	1
NGC188-I69-CALIB	Ø 44 52.7		FOS/RD	ACQ/BINA		MIRROR		1	Ø	26ØØ	2	ACQ	1
NGC188-I69-CALIB	Ø 44 52.7		FOS/RD	ACCUM	Ø.25-PAIR-B	G57ØH	5700	1	67Ø	2600	1	CAL	1
NGC188-I69-CALIB	Ø 44 52.7		FOS/RD	ACCUM	Ø.25-PAIR-B	G57ØH	5700		67Ø	2600	2	CAL	1
M31-0B48-444	Ø 45 15.4		HRS	ACCUM	2.0	G14ØL	1623	_	600	2581	1		1
M31-0B48-444	0 45 15.4		HRS	ACCUM	2.0	G14ØL	1343	-	600	2581	1		1
G3Ø5	Ø 45 41.8		F0C/96	IMAGE	512X512	F43ØW			000	2583	1		1
G3Ø5	Ø 45 41.8		F0C/96	IMAGE	512X512	F48ØLP			639	2583	1	4.00	1
PGØØ43+Ø39	Ø 45 47.2		FOS/BL	ACQ/BINA		MIRROR	100#	1	11	2424	1	ACQ	1
PGØØ43+Ø39 PGØØ43+Ø39	Ø 45 47.2 Ø 45 47.2		FOS/RD FOS/RD	ACCUM	1.0	G19ØH	1980	_	87Ø	2424	1		1
PG0043+039	Ø 45 47.2		FOS/BL	ACCUM ACCUM	1.0	G27ØH	2753	_	318 558	2424	1		1 1
PGØØ43+Ø39	Ø 45 47.2		FOS/RD	ACQ/BINA		G13ØH Mirror	1379	1 6	7	2424 2424	1	ACQ	i
G319	Ø 46 21.9		F0C/96	IMAGE	512X512	F43ØW		_	øøø	2583	1	ACU	1
G319	Ø 46 21.9		F0C/96	IMAGE	512X512	F48ØLP			639	2583	ī		i
G322	Ø 46 27.0		F0C/96	IMAGE	512X512	F43ØW			141	2583	1		ī
G322	Ø 46 27.0		F0C/96	IMAGE	512X512	F48ØLP		-	362	2583	ī		ī
PKSØØ44+Ø3Ø	Ø 47 5.9		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	1
PKS0044+030	Ø 47 5.9		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	1
PKSØØ44+Ø3Ø	Ø 47 5.9	3 19 55	FOS/BL	ACCUM	1.0	G16ØL	1837	1	48Ø	2424	2	•	1
PKSØØ44+Ø3Ø	Ø 47 5.9	3 19 55	FOS/RD	ACCUM	1.0	G27ØH	2753	1	294	2424	2		1
PKSØØ44+Ø3Ø	Ø 47 5.9	3 19 55	FOS/RD	ACCUM	1.Ø	G19ØH	1980	1 1	Ø92	2424	2		1
ES0-0044-2102	Ø 47 8.3	-20 45 34	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-0044-2102	Ø 47 8.3		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC247-FIELD	Ø 47 35.0		WFC	IMAGE	ALL	F555W			200	2227	1		1
NGC247-FIELD	Ø 47 35.Ø		WFC	IMAGE	ALL	F785LP			200	2227	1		1
NGC247-FIELD	Ø 47 35.0	a contract of the contract of	F0C/48	IMAGE	512X1Ø24	F15ØW			200	2227	1	PAR	1
NGC247-FIELD	Ø 47 35.0		F0C/48	IMAGE	512X1Ø24	F43ØW			200	2227	1	PAR	1
SMC-C532	Ø 48 19.0		WFC WFC	IMAGE	ALL	F5Ø2N		_	600	2263	1	PAR	1
SMC-C532 SMC-C532		-72 55 35 -72 55 35	WFC	IMAGE IMAGE	ALL ALL	F555W		1	10	2263	1	PAR	1
SMC-C532	Ø 48 19.0		WFC	IMAGE	ALL	F7Ø2W F785LP		1	3	2263 2263	1	PAR PAR	1
SMC-C532		-72 55 35	WFC	IMAGE	ALL	F785LP		1	10	2263	1	PAR	i
QØØ46-293	Ø 48 29.6		WFC	IMAGE	ALL	F7Ø2W			200	235Ø	i	1 711	i
QØØ46-293	Ø 48 29.6		WFC	IMAGE	ALL	F7Ø2W		_	800	2350	ī		ī
SMC-25W1	Ø 48 43.1		WFC	IMAGE	ALL	F487N		ī	8Ø	2263	ī	PAR	· 1
SMC-25W1	Ø 48 43.1		WFC	IMAGE	ALL	F547M		ī	2Ø	2263	ī	PAR	ī
SMC-25W1	Ø 48 43.1		WFC	IMAGE	ALL	F656N		ī	100	2263	1	PAR	1
SMC-25W1	Ø 48 43.1	-73 3 9	WFC	IMAGE	ALL	F5Ø2N		1	23Ø	2263	1	PAR	. 1
MRK348	Ø 48 47.2	31 57 25	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK348	Ø 48 47.2		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	1		1
SMC-C579		-72 56 59	WFC	IMAGE	ALL	F5Ø2N		1	600	2263	1	PAR	1
SMC-C579		-72 56 59	WFC	IMAGE	ALL	F555W		1	1Ø	2263	1	PAR	1
SMC-C579		-72 56 59	WFC	IMAGE	ALL	F7Ø2W		1	3	2263	1	PAR	1
SMC-C579		-72 56 59	WFC	IMAGE	ALL	F785LP		1	3	2263	1	PAR	1
SMC-C579	Ø 48 58.Ø		WFC	IMAGE	ALL	F785LP		1	8	2263	1	PAR	1
V-MA-2	Ø 49 6.0		FOS/RD	ACCUM	1.0	G27ØH	2700		200	2593	2		1
V-MA-2 SMC-C7Ø8	Ø 49 6.0 Ø 5Ø 23.6	5 25 20 -73 43 44	FOS/BL WFC	ACCUM	1.0	G19ØH	1944	_	900	2593	2	0.40	1
SMC-C7Ø8		-73 43 44 -73 43 44	WFC	IMAGE IMAGE	ALL ALL	F7Ø2W		1	5	2263	1	PAR	1
SMC-C7Ø8		-73 43 44 -73 43 44	WFC	IMAGE	ALL	F5Ø2N F555\		1 1	300	2263 2263	1	PAR	1
OMC-CIDO	# J# 43.0	10 70 77	111	TMVGC	ALL	1-000M		1	14	2203	1	PAR	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	_	<u>.</u> .	otal ines
SMC-C7Ø6	Ø 5Ø 23.6	-73 43 44	WFC	IMAGE	ALL	F785LP		1	. 5	2263	1	PAR	1
SMC-C7Ø6	-	-73 43 44	WFC	IMAGE	ALL	F785LP		i	14	2263	i	PAR	i
SMC-15Q2	Ø 5Ø 52.5		PC	IMAGE	ALL	F487N		ī	700	2263	i	SEL PAR	
SMC-15Q2		-73 44 56	PC	IMAGE	ALL	F5Ø2N		i	100	2263	i	SEL PAR	-
SMC-15Q2		-73 44 56	PC	IMAGE	ALL	F547M		ī	8Ø	2263	ī	SEL PAR	_
SMC-15Q2		-73 44 56	PC.	IMAGE	ALL	F656N		ī	800	2263	ī	SEL PAR	
SMC-15Q2		-73 44 56	WFC	IMAGE	ALL	F487N		ī	600	2263	1	SEL PAR	
SMC-15Q2		-73 44 56	WFC	IMAGE	ALL	F547M		i	20	2263	i	SEL PAR	_
SMC-15Q2		-73 44 56	WFC	IMAGE	ALL	F656N		ī	500	2263	î	SEL PAR	_
SMC-15Q2		-73 44 56	WFC	IMAGE	ALL	F5Ø2N		ī	70	2263	ī	CON SEL	_
QØØ48-261	Ø 51 9.2	-25 52 16	FOS/BL	ACQ/BINA	4.3	MIRROR		1	12	2644	1	PAR ACQ	1
QØØ48-261		-25 52 16	FOS/BL	ACCUM	1.0	G13ØH	1429	1	9000	2644	1		ī
SMC-C759		-72 29 43	WFC	IMAGE	ALL	F5Ø2N		1	400	2263	1	PAR	ī
SMC-C759	Ø 51 16.Ø	-72 29 43	WFC	IMAGE	ALL	F7Ø2W		1	4	2263	ī	PAR	ī
SMC-C759		-72 29 43	WFC	IMAGE	ALL	F555W		1	12	2263	ī	PAR	ī
SMC-C759	Ø 51 16.Ø	-72 29 43	WFC	IMAGE	ALL	F785LP		1	4	2263	1	PAR	ī
SMC-C759	Ø 51 16.Ø	-72 29 43	WFC	IMAGE	ALL	F785LP		1	1Ø	2263	1	PAR	1
SMC-C78Ø	Ø 51 28.7	-72 28 44	WFC	IMAGE	ALL	F5Ø2N		1	400	2263	1	PAR	1
SMC-C78Ø	Ø 51 28.7	-72 28 44	WFC	IMAGE	ALL	F555W		1	1Ø	2263	1	PAR	1
SMC-C78Ø	Ø 51 28.7	-72 28 44	WFC	IMAGE	ALL	F7Ø2W		1	3	2263	1	PAR	1
SMC-C78Ø	Ø 51 28.7	-72 28 44	WFC	IMAGE	ALL	F785LP		1	.7	2263	1	PAR	1
SMC-C78Ø	Ø 51 28.7	-72 28 44	WFC	IMAGE	ALL	F785LP		1	2	2263	1	PAR	. 1
SMC-C784	Ø 51 29.5	-72 24 12	WFC	IMAGE	ALL	F5Ø2N		1	400	2263	1	PAR	1
SMC-C784	Ø 51 29.5	-72 24 12	WFC	IMAGE	ALL	F7Ø2W		1	-5	2263	1	PAR	1
SMC-C784	Ø 51 29.5	-72 24 12	WFC	IMAGE	ALL	F555W		1	12	2263	1	PAR	1
SMC-C784		-72 24 12	WFC	IMAGE	ALL	F785LP		1	6	2263	1	PAR	1
SMC-C784		-72 24 12	WFC	IMAGE	ALL	F785LP		1	16	2263	1	PAR	1
SMC-25G7		-73 20 16	WFC	IMAGE	ALL	F547M		1	2Ø	2263	1	PAR	1
SMC-25G7		-73 20 16	WFC	IMAGE	ALL	F656N		1	26Ø	2263	1	PAR	1
SMC-C8Ø1		-73 20 34	WFC	IMAGE	ALL	F555W	4.	1	1Ø	2263	1	PAR	1
SMC-C8Ø1		-73 20 34	WFC	IMAGE	ALL	F7Ø2W		1	4	2263	1	PAR	1
SMC-C8Ø1	0 51 45.5		WFC	IMAGE	ALL	F5Ø2N		1	35Ø	2263	1	PAR	1
SMC-C8Ø1	0 51 45.5		WFC	IMAGE	ALL	F785LP		1	6	2263	1	PAR	1
SMC-C8Ø1 SMC-SMP17	Ø 51 45.5		WFC	IMAGE	ALL	F785LP	1000	1	16	2263	1	PAR	1
SMC-SMP17		-71 24 41*	•	ACCUM	1.0	G19ØH	1900	1	70	2266	2		1
SMC-SMP17-OFFSET		-71 24 41*	• .	ACCUM ACC (RTNA	1.0	G13ØH	1300	1	240	2266	2	4.00	1
SMC-SMP17-PCPOS		-71 24 41	FOS/BL	ACQ/BINA	4.3 P8	MIRROR F487N		1	17	2266	2	ACQ	1
SMC-SMP17-PCPOS		-71 24 43 71 24 43	PC PC	IMAGE IMAGE	P8	F5Ø2N		1	400	2266	1	4.00	1
SMC-SMP17-PCPOS		-71 24 43	PC PC		P8			1	6Ø	2266	1	ACQ	1
SMC-C828		-71 24 43	PC WFC	IMAGE IMAGE	ALL	F547M F555W		1	23Ø	2266	1	040	1
SMC-C828		-73 17 54 -73 17 54	WFC	IMAGE	ALL	F5Ø2N		1 1	1Ø 35Ø	2263 2263	1	PAR	1
SMC-C828		-73 17 54 -73 17 54	WFC	IMAGE	ALL	F7Ø2W		_			1	PAR	1
SMC-C828		-73 17 54 -73 17 54	WFC	IMAGE	ALL	F785LP		1	3 3	2263 2263	1	PAR	1 1
SMC-C828		-73 17 54 -73 17 54	WFC	IMAGE	ALL	F785LP		1 1	3 8	2263	1	PAR PAR	_
NGC289		-73 17 54	WFC	IMAGE	ALL	F555W		1	300	2775	1	CAK	1 1
NGC289		-31 12 18	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
GD-659		-31 12 16 -32 59 56	HRS	ACCUM	2.0	G14ØL	1288	1	900	2593	2		1
IZW1	Ø 53 17.9		PC	IMAGE	2.6 P8	F439W	1200	1	200	2616	1		1
IZW1	Ø 53 33.8		PC	IMAGE	P8	F439W		1	2000	2616	1		1
IZW1	Ø 53 33.8		PC	IMAGE	P8	F675W		i	200	2616	i		1
<b></b>		'1 -0		#1717 1 WL	. •			•		2010	-		-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Су.	Spec. Req.	Tota Line	
IZW1	Ø 53 33.8	12 41 26	PC	IMAGE	P8	F675W		1	2000	2616	1			1
IZW1	Ø 53 33.8		PC	IMAGE	P8	F85ØLP		1	200	2616	ī			ī
IZW1	Ø 53 33.8	12 41 26	PC -	IMAGE	P8	F85ØLP		ī	2000	2616	1			ī
QØØ51-279	Ø 54 15.5	-27 42 8	WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1			ī
QØØ51-279	Ø 54 15.5	-27 42 8	WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	235Ø	1			1
PGØØ52+251	Ø 54 52.2		F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ		1
PGØØ52+251	Ø 54 52.2	25 25 39	FOS/BL	ACCUM	1.0	G13ØH	1379	1	2424	2424	2	•		1
NGC3ØØ-PAR1		-37 41 9	WFC	IMAGE	ALL	F547M		1	600	2356	1	SEL P	AR '	1
NGC3ØØ-PAR1	Ø 54 52.7		WFC	IMAGE	ALL	F656N		1	2000	2356	1	SEL P		1
NGC3ØØ-PAR1	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F547M		1	600	2356	1	CON SI	EL	1
NGC3ØØ-PAR1	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON S	EL	1
NGC3ØØ-PAR1	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F673N		1	2400	2356	1	CON SI	EL	1
NGC3ØØ-PAR1	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL P	AR	1
NGC3ØØ-PAR1	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F673N		ī	2325	2356	ī	SEL P		1
NGC3ØØ-PAR2	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F547M		1	600	2356	1	SEL P		1
NGC3ØØ-PAR2	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F656N		1	2000	2356	1	SEL P	AR	1
NGC3ØØ-PAR2	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F547M		1	600	2356	1	CON S	EL	1
NGC3ØØ-PAR2	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON S	EL	1
NGC3ØØ-PAR2	Ø 54 52.7	-37 41 9	WFC	IMAGE	ALL	F673N		1	2400	2356	1	CON S	EL	1
NGC3ØØ-PAR2	Ø 54 52.7		WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL P	AR	1
NGC3ØØ-PAR2	Ø 54 52.7		WFC	IMAGE	ALL	F673N		1	2325	2356	1	SEL P	AR	1
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1122	1	19	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1159	1	14	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1303	1	18	2251	2			1
HDØØ5394	Ø 58 42.4		HRS	WSCAN	Ø.25	ECH-B	1744	1	32	2251	2			1
HDØØ5394	Ø 56 42.4 Ø 56 42.4		HRS HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	22	2251	2			1
HDØØ5394 HDØØ5394	Ø 56 42.4 Ø 56 42.4		HRS	WSCAN ACCUM	Ø.25	ECH-B	237Ø	1	11	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25 Ø.25	ECH-B ECH-A	2323 1548	1 1	7 15	2251 2251	2			1 1
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-A	1547	1	15	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-A	1548	i	15	2251	2			i
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-A	1334	i	7	2251	2			ī
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-A	1333	ī	7	2251	2			2
HDØØ5394	Ø 58 42.4		HRS	ACCUM	Ø.25	ECH-B	2324	i	7	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-B	2325	î	7	2251	2			ī
HDØØ5394	Ø 58 42.4		HRS	WSCAN	Ø.25	ECH-A	1192	ī	16	2251	2			ī
HDØØ5394 ·	Ø 58 42.4		HRS	WSCAN	Ø.25	ECH-B	2058	ī	18	2251	2			ī
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1279	ī	14	2251	2			ī
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1240	ī	23	2251	2			1
HDØØ5394	Ø 56 42.4	6Ø 43 Ø	HRS	WSCAN	Ø.25	ECH-A	1357	ī	36	2251	2			1
HDØØ5394	Ø 56 42.4	6Ø 43 Ø	HRS	WSCAN	Ø.25	ECH-B	2025	ī	18	2251	2			1
HDØØ5394	Ø 56 42.4	6Ø 43 Ø	HRS	ACCUM	Ø.25	ECH-A	1251	ī	6	2251	2			2
HDØØ5394	Ø 56 42.4		HRS	ACCUM	Ø.25	ECH-A	1252	1	6	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-B	1827	1	25	2251	2			1
HDØØ5394	Ø 56 42.4		HRS	WSCAN	Ø.25	ECH-A	1391	1	42	2251	2			1
PHL9Ø9	Ø 57 1Ø.Ø	14 46 10	F0S/BL	ACCUM	Ø.5	PRISM	3675	1	400	2296	1			1

PHL989   6 F7 10.0   14 d6   10 F05/BL   ACCUM   0.5   G130H   1379   1 8656   2208   1   1   1   1   1   1   1   1   1	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	<u>.</u>	otal ines
PHL999	PHL9Ø9	Ø 57 1Ø.Ø	14 46 10	FOS/BL	ACCUM	Ø.5	G1 3ØH	1270	•	eera	0000			
PHL999									_					
PH1-999														
SMC-C1298								2100					4.00	
SMC-C1290									_	-				_
SMC-C1290									_					
SMC-C1290									_			_		
SMC-C1296											-	_		
SMC-C1298														
SMC-C1298											_			-
SMC-C1298									-					
SMC-C1296														
SMC-C1296									_	_				
NGC346-6														
NGC346-6										-		1	PAR	1
NGC346-4									_			1		1
NGC348-3												1		1
NGC348-3												1		1
NGC346-3								1825				1		
NGC346-3									_				ACQ	1
NGC348-5									_	_		1	ACQ	1
NGC348-5									_			1		1
NGC348-1												1		1
NGC346-1												1		1
NGC-44F5												1		1
PHL923									1	159	2233	1		1
PHL923									_			1		1
PHL923									_			2		1
PHL923														
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SMC-44F5									1	_		1	PAR	1
SMC-44F5	_								1			1	PAR	1
SMC-44F5									1			1	SEL PAR	1
SMC-44F5									1	8Ø		1	SEL PAR	1
SMC-44F5									1	18Ø		1	SEL PAR	1
SMC-44F5									_		2263	1	SEL PAR	1
SMC-44F5									1	1500	2263	1	SEL PAR	1
SMC-44F5									1	2Ø	2263	1	SEL PAR	1
SMC-44F5									1	1000		1	SEL PAR	1
SMC-44F5									1	140	2263	1	SEL PAR	1
SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F555W 1 7 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 7 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 7 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1									1	140	2263	1	SEL PAR	1
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SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F555W       1 7 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 7 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 2 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 2 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 2 2263 1 PAR 1	SMC-C134Ø	Ø 59 29.7	-72 4 5	WFC	IMAGE	ALL	F5Ø2N		1	800	2283	1		1
SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 7 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F702W       1 2 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 2 2263 1 PAR 1         SMC-C134Ø       Ø 59 29.7 -72 4 5 WFC       IMAGE ALL       F785LP       1 2 2263 1 PAR 1	SMC-C134Ø								-			_		
SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F7Ø2W 1 2 2263 1 PAR 1 SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1 AV-222	SMC-C134Ø									-		_		
SMC-C134Ø Ø 59 29.7 -72 4 5 WFC IMAGE ALL F785LP 1 2 2263 1 PAR 1	SMC-C134Ø								i			_		
AV_020 A FO 20 0 70 10 40 Upo Accini d of	SMC-C134Ø								1					
	AV-232	Ø 59 32.2	-72 1Ø 46	HRS				1350	_				. 711	

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
AV-232	Ø 59 32.2	-72 10 46	HRS	ACCUM	Ø.25	G14ØL	1625	1	635	2233	1		1
SCULPTOR-F1	Ø 59 46.4	-33 38 58	PC	IMAGE	ALL	F555W		1	5Ø	2495	1		1
SCULPTOR-F1	Ø 59 46.4	-33 38 58	PC	IMAGE	ALL	F791W		1	100	2495	1		1
SCULPTOR-F1	Ø 59 46.4	-33 38 58	PC	IMAGE	ALL	F555W		1	1200	2495	1		2
SCULPTOR-F1	Ø 59 46.4	-33 38 58	PC	IMAGE	ALL	F791W		1	2100	2495	1		3
AV-238	Ø 59 55.2	-72 13 37	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	516	2233	1		1
AV-238	Ø 59 55.2	-72 13 37	HRS	ACCUM	Ø.25	G14ØL	1625	1	2492	2233	1		1
AV-243	1 Ø 6.8	-72 47 19	HRS	ACCUM	Ø.25	G14ØL	1625	1	26Ø5	2233	1		1
AV-243	1 Ø 6.8	-72 47 19	HRS	ACCUM	Ø.25	G14ØL	1350	1	694	2233	1		1
SCULPTOR-F2	1 Ø 19.2	-33 43 33	PC	IMAGE	ALL	F555W		1	5Ø	2495	1		1
SCULPTOR-F2	1 Ø 19.2	-33 43 33	PC	IMAGE	ALL	F791W		1	100	2495	1		1
SCULPTOR-F2		-33 43 33	PC	IMAGE	ALL	F555W		1	1200	2495	1		2
SCULPTOR-F2		-33 43 33	PC	IMAGE	ALL	F791W		1	2100	2495	1		3
UM3Ø1	1 3 13.0	2 21 11	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
UM3Ø1	1 3 13.0	2 21 11	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
UM3Ø1	1 3 13.0	2 21 11	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	138Ø	2424	3		1
UM3Ø1	1 3 13.0	2 21 11	FOS/RD	ACCUM	1.0	G27ØH	2753	1	498	2424	3		1
UM3Ø1	1 3 13.0	2 21 11	FOS/BL	ACCUM	1.0	G13ØH	1379		Ø478	2424	3		1
QØ1Ø1-3Ø4	1 3 37.4		WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1		1
QØ1Ø1-3Ø4	1 3 37.4		WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	235Ø	1		1
SNRØ1Ø2-72.3		-72 1 56	WFC	IMAGE	ALL	F673N			1000	2292	1		1
SNRØ1Ø2-72.3	1 4 2.2		WFC	IMAGE	ALL	F375N			1500	2292	1		1
SNRØ1Ø2-72.3	1 4 2.2		WFC	IMAGE	ALL	F492M			1500	2292	1		1
SNRØ1Ø2-72.3 SMC-C1633	1 4 2.2 1 4 42.6	-72 1 56 73 1 43	WFC	IMAGE	ALL	F547M		1	120	2292	1	DAD	1
SMC-C1633	1 4 42.8		WFC WFC	IMAGE	ALL	F555W		1	7	2263	1	PAR	1
SMC-C1633	1 4 42.6	-73 1 43 -73 1 43	WFC	IMAGE IMAGE	ALL	F5Ø2N		1 1	1500	2263	1	PAR PAR	1
SMC-C1633	1 4 42.6		WFC	IMAGE	ALL ALL	F785LP F7Ø2W		1	2	2263 2263	1	PAR	1 1
SMC-C1833	1 4 42.6	-73 1 43	WFC	IMAGE	ALL	F785LP		1	2	2263	1	PAR	i
IC1613-S8	1 5 2.7	2 8 40	FOS/RD		1.Ø-PAIR	MIRROR		1	15	2290	1	ACQ	i
IC1613-S8	1 5 2.7	2 8 40	FOS/RD	ACCUM	1.Ø-PAIR	G19ØH	1900	_	1000	2290	ī	new	ī
IC1613-S8	1 5 2.7	2 8 40	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1300	_	1500	2290	ī		ī
SMC-C1649	1 5 5.2		WFC	IMAGE	ALL	F7Ø2W	1000	ī	5	2263	i	PAR	ī
SMC-C1849	1 5 5.2		WFC	IMAGE	ALL	F5Ø2N			1500	2263	ī	PAR	ī
SMC-C1649	1 5 5.2	-73 1 45	WFC	IMAGE	ALL	F555W		ĩ	12	2263	1	PAR	ī
SMC-C1649	1 5 5.2		WFC	IMAGE	ALL	F785LP		1	6	2263	1	PAR	1
SMC-C1649	1 5 5.2	-73 1 45	WFC	IMAGE	ALL	F785LP		1	16	2263	1	PAR	1
AV-388	1 5 39.6	-72 29 27	HRS	ACCUM	Ø.25	G14ØL	1350	1	6Ø9	2233	1		1
AV-388	1 5 39.6	-72 29 27	HRS	ACCUM	Ø.25	G14ØL	1625	1	2525	2233	1		1
SMC-C1878	1 5 47.1	-72 25 36	WFC	IMAGE	ALL	F7Ø2W		1	10	2263	1	PAR	1
SMC-C1676	1 5 47.1	-72 25 36	WFC	IMAGE	ALL	F5Ø2N		1	1500	2263	1	PAR	1
SMC-C1676	1 5 47.1	-72 25 36	WFC	IMAGE	ALL	F555W		1	26	2263	1	PAR	1
SMC-C1676		-72 25 36	WFC ·	IMAGE	ALL	F785LP		1	3Ø	2263	1	PAR	1
SMC-C1676		-72 25 36	WFC	IMAGE	ALL	F785LP		1	12	2263	1	PAR	1
Ø1Ø3+189	1 5 55.2	19 12 27	WFC	IMAGE	ALL	F555W		1	100	235Ø	1		1
Ø1Ø3+189	1 5 55.2	19 12 27	WFC	IMAGE	ALL	F555W		1	5ØØ	235Ø	1		1
Ø1Ø3+189	1 5 55.2	19 12 27	WFC	IMAGE	ALL	F555W		1	2000	235Ø			1
0103+189	1 5 55.2	19 12 27	WFC	IMAGE	ALL	F785LP		1	500	235Ø			1
Ø1Ø3+189	1 5 55.2	19 12 27	WFC	IMAGE	ALL	F785LP		1	2000	235Ø	1		1
SMC-C1687		-72 34 9	WFC	IMAGE	ALL	F555W		1	10	2263		PAR	1
SMC-C1687	1 5 57.3		WFC	IMAGE	ALL	F5Ø2N		1	15ØØ	2263	1	PAR	1
SMC-C1687	1 5 57.3	-72 34 9	WFC	IMAGE	ALL	F7Ø2W		1	3	2263	1	PAR	1

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Target	RA(2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		•	Total Lines
SMC-C1687	1 5 57.3	3 -72 34 9	WFC	IMAGE	ALL	F785LP		1	4	2263	1	PAR	1
SMC-C1687		3 -72 34 9	WFC	IMAGE	ALL	F785LP		ī	1ø	2263	î	PAR	ī
SMC-33Q7		-72 27 19	PC PC	IMAGE	ALL	F5Ø2N		i	300	2263	i	SEL PA	_
SMC-33Q7		-72 27 19	PC	IMAGE	ALL	F547M		ī	8Ø	2263	ī	SEL PA	
SMC-33Q7		-72 27 19	PC	IMAGE	ALL	F487N		i	18Ø	2263	i	SEL PA	
SMC-33Q7		-72 27 19	PC	IMAGE	ALL	F656N		i	230	2263	i	SEL PA	
SMC-33Q7		-72 27 19	PC	IMAGE	ALL	F658N		i	1500	2263	i	SEL PA	
SMC-33Q7		-72 27 19	WFC	IMAGE	ALL	F547M		i	20	2263	i	SEL PA	
SMC-33Q7		-72 27 19	WFC	IMAGE	ALL	F658N		i	1000	2263	i	SEL PA	
SMC-33Q7		-72 27 19	WFC	IMAGE	ALL	F487N		1	140	2263	1	SEL PA	
SMC-33Q7		-72 27 19	WFC	IMAGE	ALL	F656N		i	140	2263	ī	SEL PA	
•		-72 27 19	WFC	IMAGE	ALL	F5Ø2N		1	230	2263	i	CON SE	
SMC-33Q7	1 0 0.1	-12 21 19	W-C	IMAGE	VLL	FORZIN			230	2203	1	PAR	
SMC-C1692	1 6 6.2	2 -72 26 34	WFC	IMAGE	ALL	F7Ø2W		1	7	2263	1	PAR	1
SMC-C1692		2 -72 26 34	WFC	IMAGE	ALL	F5Ø2N		ĩ	1500	2263	1	PAR	1
SMC-C1692		2 -72 26 34	WFC	IMAGE	ALL	F555W		1	16	2263	1	PAR	1
SMC-C1692		2 -72 26 34	WFC	IMAGE	ALL	F785LP		1	7	2263	1	PAR	1
SMC-C1692	_	2 -72 28 34	WFC	IMAGE	ALL	F785LP		ĩ	20	2263	1	PAR	1
PCØ1Ø4+Ø215	1 6 49.6		WFC	IMAGE	ALL	F7Ø2W		ī	200	2350	1		1
PCØ1Ø4+Ø215	1 6 49.6		WFC	IMAGE	ALL	F7Ø2W		ī	8ØØ	235Ø	ī		1
HD6582	1 8 8.	54 55 14	PC	IMAGE	P8	F8ND		ī	Ø	2623	1	ACQ	2
HD8582	1 8 8.	54 55 14	FGS	POS	PRIME	FEND		1	5	2623	1	•	6
HD6582	1 8 8.		FGS	POS	PRIME	F5ND		ī	5	2623	2		6
HD6582	1 8 8.		FGS	POS	PRIME	F5ND		1	5	2623	3		6
HD6582	1 8 8.		PC	IMAGE	ALL-ND	F439W		1	ø	2623	1		6
HD6582	1 8 8.		PC	IMAGE	ALL-ND	F439W		ī	Ø	2623	2		6
HD6582	1 8 8.		PC	IMAGE	ALL-ND	F439W		1	Ø	2623	3		6
B2Ø1Ø6+38	1 9 25.6	38 16 46	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
B2Ø1Ø6+38	1 9 25.6	38 16 46	FOS/RD	ACQ BINA		MIRROR		1	8	2424	1	ACQ	1
B2Ø1Ø6+38	1 9 25.6	38 16 46	FOS/BL	ACCUM	1.Ø	G16ØL	1837	1	378	2424	1	•	1
B2Ø1Ø6+38	1 9 25.6	38 16 46	FOS/RD	ACCUM	1.Ø	G27ØH	2753	1	4Ø2	2424	1		1
B2Ø1Ø6+38	1 9 25.6	38 16 46	FOS/RD	ACCUM	1.Ø	G19ØH	198Ø	1	1176	2424	1		1
UGC-726	1 9 57.6	3 -1 44 59	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-728	1 9 57.6	3 -1 44 59	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
HT-CAS	1 10 13.3	60 4 36	FOS/BL	ACQ/BINA	4.3	MIRROR		1	10	2446	1	ACQ	3
HT-CAS	1 10 13.1	60 4 36	FOS/RD	ACQ/BINA	4.3	MIRROR		1	10	2446	1	ACQ	2
HT-CAS	1 10 13.1	60 4 36	FOS/BL	RAPID	1.0	PRISM	365Ø	1	120	2446	1	-	3
HT-CAS	1 10 13.1		FOS/RD	RAPID	1.Ø	PRISM	4900	1	1440	2446	1		2
HT-CAS	1 10 13.1	60 4 36	FOS/BL	RAPID	1.0	G16ØL	1837	1	1320	2446	1		3
Ø1Ø7-331Ø	1 10 18.9	9 -32 5Ø 9	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
Ø1Ø7-331Ø	1 10 18.9	9 -32 5Ø 9	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
Ø1Ø7-331Ø	1 10 18.9		FOS/RD	ACCUM	1.0	G27ØH	2753	1	552	2424	2	-	1
Ø1Ø7-331Ø	1 10 18.9		FOS/BL	ACCUM	1.Ø	G13ØH	1379	1 1	13Ø92	2424	2		1
0107-3310		-32 5Ø 9	FOS/RD	ACCUM	1.0	G19ØH	198ø	1	1566	2424	2		1
Ø1Ø9+224INCA221-3	1 12 5.8		FGS [*]	POS	2	F55ØW		1	51	286Ø	1		1
Ø1Ø9+224INCA221-3	1 12 5.8		FGS	POS	2	F583W		1	51	286Ø	1		2
P0INTØ1Ø9+224INCA221			S/C	POINTING	V1			1	Ø	286Ø	1		1
-3				200	_	5-1-10		_			_		_
INCA221-3	1 12 53.7		FGS	POS	2	F5ND		1	51	286Ø	1		2
HD7252	1 14 3.7		FOS/BL	ACCUM	1.0	G19ØH		1	1097	2245		4.00	1
HD7252	1 14 3.7		FOS/BL	ACQ/PEAK		G57ØH		1	Ø	2245	1	ACQ	1
HD7252	1 14 3.7	60 52 59	FOS/BL	ACCUM	1.0	G27ØH		1	372	2245	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD7252	1 14 3.7	6Ø 52 59	F0S/BL	ACCUM	1.0	G13ØH	1454	1	2521	2245	1		1
ES0-Ø112-5539	1 14 22.0		WFC [']	IMAGE	ALL	F555W		1	3ØØ	2775	ī		î
ES0-Ø112-5539	1 14 22.0	-55 23 52	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PGØ112+1Ø4	1 14 37.8		HRS	ACCUM	2.0	G14ØL	1288	1	900	2593	2		1
PKSØ112-Ø17	1 15 17.1		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PKSØ112-Ø17	1 15 17.1		F0S/BL	ACCUM	1.0	G16ØL	1837	1	1140	2424	1		1
PKSØ112-Ø17	1 15 17.1		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	525	2578	1		1
PKSØ112-Ø17	1 15 17.1		FOS/RD	ACCUM	1.Ø	G27ØH	27ØØ	1	720	2578	1		1
PKSØ112-Ø17 AV-488	1 15 17.1		FOS/RD	ACQ/BINA		MIRROR	1256	1	11	2578	1	ACQ	1
AV-488	1 15 58.8	-73 21 24 -73 21 24	HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	G14ØL G14ØL	1350	1 1	152 593	2233	1		1
MKN1	1 16 7.3		PC	IMAGE	ALL	F517N	1625	1	9ØØ	2233 2488	1		1
MKN1	1 16 7.3		PC	IMAGE	ALL	F664N		i	9ØØ	2488	1		1 1
MKN1	1 16 7.3		PC	IMAGE	ALL	F5Ø2N		i	1200	2488	i		i
MRK1	1 16 7.3		FOS/RD	ACCUM	Ø.5	PRISM		ī	721	2711	ī		i
MRK1	1 16 7.3		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	ī		i
FIELD-Ø11847-283514	1 18 47.4	-28 35 16	F0C/48	IMAGE	512X1Ø24	F22ØW		1	900	2378	ī		3
FIELD-Ø11847-283514	1 18 47.4		F0C/48	IMAGE	512X1Ø24	F342W		1	900	2378	1		3
FIELD-Ø11847-283514	1 18 47.4		F0C/48	IMAGE	512X1Ø24	F43ØW		1	900	2378	1		1
FIELD-Ø11847-283514	1 18 47.4		F0C/48	IMAGE	512X1Ø24	F22ØW		1	9ØØ	2378	2		1
FIELD-Ø11847-283514	1 18 47.4		F0C/48	IMAGE	512X1Ø24	F342W		1	900	2378	2		1
FIELD-Ø11847-283514	1 18 47.4		F0C/48	IMAGE	512X1Ø24	F195W		1	420	2378	1		1
PGØ117+213	1 20 17.3		F0C/288	IMAGE	512X512	F21ØM		1	1200	2624	1		1
4U0115+83 4U0115+83	1 21 34.2		FOS/BL	ACQ/BINA		MIRROR	1010	1	33	2004	1	ACQ	1
4UØ115+63	1 21 34.2		FOS/BL	ACCUM	1.0	G4ØØH	4040	1	300	2004	1		1
4UØ115+63	1 21 34.2 1 21 34.2		FOS/BL FOS/BL	ACCUM ACCUM	1.Ø 1.Ø	G27ØH G16ØL	2769 1837	1 1	65Ø 7568	2ØØ4 2ØØ4	1		1
4UØ115+63	1 21 34.2		FOS/BL	PERIOD	1.0	G4ØØH	4040	1	361	2004	1		1 1
SMC-SMP28-PCPOS	1 24 13.0		PC	IMAGE	P8	F547M	שרשר	i	1000	2266	1		1
SMC-SMP28-PCPOS	1 24 13.0		PČ	IMAGE	P8	F5Ø2N		ī	400	2266	î	ACQ	i
SMC-SMP28-PCPOS	1 24 13.0		PC	IMAGE	P8	F487N		ī	1200	2266	ī	neq.	ī
SMC-SMP28	1 24 14.0		FOS/BL	ACCUM	1.0	G13ØH	1300	ī	1000	2266	2		ī
SMC-SMP28	1 24 14.0	-74 2 24+	FOS/RD	ACCUM	1.0	G19ØH	1900	1	27Ø	2266	2		1
SMC-SMP28-OFFSET	1 24 14.0		FOS/BL	ACQ/BINA	4.3	MIRROR		1	17	2266	2	ACQ	1
UGC-966	1 24 34.6		WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1	•	1
UGC-986	1 24 34.6		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PKSØ122-ØØ	1 25 28.8		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
PKSØ122-ØØ	1 25 28.8		FOS/BL	ACCUM	1.0	G16ØL	1837	1	4Ø8	2424	2		1
MARK359 MARK359	1 27 30.4		FOS/BL	ACCUM	Ø.5	G13ØH	1380	1	6000	2076	1		1
MARK359	1 27 30.4		FOS/RD	ACCUM	Ø.5	G27ØH	2753	1	900	2076	1		1
MARK359	1 27 3Ø.4 1 27 3Ø.4		FOS/BL	ACCUM	Ø.5	G19ØH	1954	1	1800	2076	1		1
MARK359-OFFSET	1 27 30.4		FOS/RD FOS/RD	ACCUM ACQ/BINA	Ø.5	G4ØØH MIRROR	4013	1 1	18ØØ 5	2Ø76 2Ø76	1	4.00	1
MARK359-OFFSET	1 27 30.4		FOS/BL	ACQ/BINA		MIRROR		1	15	2076	1	ACQ	1
MARK359-PCPOS	1 27 31.5		PC	IMAGE	ALL	F284W		i	6Ø	2076	1 1	ACQ ACQ	1 1
MARK359-PCP0S	1 27 31.5		PC	IMAGE	ALL	F284W		i	300	2076	1	ACQ	1
MARK359-PCPOS	1 27 31.5		PČ	IMAGE	ALL	F517N		ī	3Ø	2076	1	ACQ	1
MARK359-PCPOS	1 27 31.5		PČ	IMAGE	ALL	F517N		ī	300	2076	î	ACQ	i
MARK359-PCPOS	1 27 31.5		PC	IMAGE	ALL	F588N		ī	3Ø	2076	ī	ACQ	i
MARK359-PCPOS	1 27 31.5		PC	IMAGE	ALL	F588N		ī	600	2076	ī	ACQ	ī
UM328	1 28 57.2	-1 19 48	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	ī
UM328	1 28 57.2	-1 19 48	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	_	Spec. Req.	Total Lines
UM328	1 28 57.	2 -1 19 48	F0S/BL	ACCUM	1.0	G16ØL	1837	1	882	2424	3		1
UM328	1 28 57.	2 -1 19 48	FOS/RD	ACCUM	1.0	G19ØH	1980		213Ø	2424	3		1
UM328	1 28 57.	2 -1 19 48	F0S/RD	ACCUM	1.0	G27ØH	2753	1	6Ø6	2424	3		1
NGC598	1 32 52.	1 -7 1 55	PC	IMAGE	ALL	F555W		1	3Ø	2600	2		1
NGC596	1 32 52.	1 -7 1 55	PC	IMAGE	ALL	F555W		1	300	2600	2		1
NGC596	1 32 52.	1 -7 1 55	PC	IMAGE	ALL	F785LP		1	25	2600	2		1
NGC596	1 32 52.	1 -7 1 55	PC	IMAGE	ALL	F785LP		1	25Ø	2600	2		1
M33-B38	1 33 Ø.	9 30 35 4	HRS	ACCUM	2.0	G14ØL	1343	2	600	2581	1		1
M33-B38	1 33 Ø.	9 30 35 4	HRS	ACCUM	2.0	G14ØL	1623	3	600	2581	1		1
M33-U137	1 33 14.	3 30 28 23	PC	IMAGE	ALL	F555W		1	100	2227	1		1
M33-U137	1 33 14.	3 30 28 23	PC:	IMAGE	ALL	F555W		1	1000	2227	1		1
M33-U137	1 33 14.	3 30 28 23	PC	IMAGE	ALL	F785LP		1	100	2227	1		1
M33-U137	1 33 14.		PC	IMAGE	ALL	F785LP		1	1000	2227	1		1
PKSØ13Ø+24	1 33 24.		F0S/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PKSØ13Ø+24	1 33 24.		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
PKSØ13Ø+24	1 33 24.		F0S/BL	ACCUM	1.0	G16ØL	1837	1	672	2424	3		1
PKSØ13Ø+24	1 33 24.		FOS/RD	ACCUM	1.0	G19ØH	198ø		216Ø	2424	3		1
PKSØ13Ø+24	1 33 24.		FOS/RD	ACCUM	1.0	G27ØH	2753	1	768	2424	3		1
M33-U77	1 33 28.		PC	IMAGE	ALL	F555W		1	100	2227	1		1
M33-U77	1 33 28.		PC	IMAGE	ALL	F555W		_	1000	2227	1		1
M33-U77	1 33 28.		PC	IMAGE	ALL	F785LP		1	100	2227	1		1
M33-U77	1 33 28.		PC	IMAGE	ALL	F785LP			1000	2227	1		1
M33-DBB6	1 33 29.		FOS/RD		1.Ø-PAIR	MIRROR		1	15	2290	1	ACQ	1
M33-DBB6	1 33 29.	_ ,	FOS/RD	ACCUM	1.Ø-PAIR	G19ØH	1900		2000	2290	1		1
M33-DBB6	1 33 29.		FOS/BL	ACCUM	1.0-PAIR	G13ØH	1300	_	1500	2290	1		1
MRK1157	1 33 31.		FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK1157	1 33 31.		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	1		1
NGC598-FIELD	1 33 32.		WFC	IMAGE	ALL	F555W			1200	2227	1		1
NGC598-FIELD	1 33 32.		WFC	IMAGE	ALL	F785LP			1200	2227	1	040	1
NGC598-FIELD	1 33 32.		F0C/48	IMAGE	512X1Ø24	F15ØW			1200	2227	1	PAR	1
NGC598-FIELD NGC595	1 33 32. 1 33 33.		FOC/48 PC	IMAGE IMAGE	512X1Ø24	F43ØW			1200	2227	1	PAR	1
NGC595	1 33 33. 1 33 33.		PC	IMAGE	ALL	F439W		1.	1Ø 8Ø	2441	1		1
NGC595	1 33 33.		PC	IMAGE	ALL:	F439W		1		2441	1		1
NGC595 NGC595	1 33 33.		PC	IMAGE	ALL ALL	F469N F469N		1	200 1600	2441 2441	1		1
M33-0B12-C	1 33 33.		HRS	ACCUM	2.0	G14ØL	1623	2	600	2581	1		1 1
M33-0B12-C	1 33 44.		HRS	ACCUM	2.0	G140L G140L	1343	3	600	2581	1		1
M33-U49	1 33 45.		PC	IMAGE	ALL	F555W	1343	1	100	2227	i		1
M33-U49	1 33 45.		PC	IMAGE	ALL	F555W		_	1000	2227	1		i
M33-U49	1 33 45.		PC	IMAGE	ALL	F785LP		i	100	2227	1		1
M33-U49	1 33 45.		PC	IMAGE	ALL	F785LP			1000	2227	1		1
M33-PAR1	1 33 51.		WFC	IMAGE	ALL	F547M		i	600	2356	ī	SEL PA	_
M33-PAR1	1 33 51.		WFC	IMAGE	ALL	F656N			2000	2356	1	SEL PA	
M33-PAR1	1 33 51.		WFC	IMAGE	ALL	F547M		1	600	2356		CON SE	
								_				PAR	
M33-PAR1	1 33 51.	2 30 39 36	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON SE	L 1
M33-PAR1	1 33 51.	2 30 39 36	WFC	IMAGE	ALL	F673N	• . '	1	2400	2356	1	CON SE	L 1
M33-PAR1	1 33 51.	2 3Ø 39 36	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL PA	\R 1
M33-PAR1	1 33 51.		WFC	IMAGE	ALL	F673N			2325	2356		SEL PA	
M33-PAR2	1 33 51.		WFC	IMAGE	ALL	F547M		1	6ØØ	2356		SEL PA	

Fixed Target	S
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Lines	
M33-PAR2	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F656N			0000	0050		CE! D!		
M33-PAR2	1 33 51.2		WFC	IMAGE	ALL	F547M		1	2000 600	2356 2356	1	SEL PA		1 1
M33-PAR2	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F656N		1	2000	2356	1	PAR CON SE	EL :	1
M33-PAR2	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F673N		1	24ØØ	2356	1	PAR CON SE PAR	EL :	1
M33-PAR2	1 33 51.2	3ø 39 36	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL PAR	AR :	1
M33-PAR2	1 33 51.2	3Ø 39 38	WFC	IMAGE	ALL	F673N		ī	2325	2356	1	SEL PA		1
M33-PAR3	1 33 51.2		WFC	IMAGE	ALL	F547M		ī	6ØØ	2356	ī	SEL PA		ī
M33-PAR3	1 33 51.2		WFC	IMAGE	ALL	F656N		-	2000	2356		SEL PA		1
M33-PAR3	1 33 51.2		WFC	IMAGE	ALL	F547M		1			1			
M33-FARS	1 33 51.2	. 39 39 30	#I-C	IMAGE	ALL	ΓĐ <del>4</del> /M		1	600	2356	1	CON SE	EL .	1
M33-PAR3	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON SE	EL :	1
M33-PAR3	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F673N		1	2400	2356	. 1	CON SE	EL :	1
M33-PAR3	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F5Ø2N		1	2325	2358	1	SEL PA	AD .	1
M33-PAR3	1 33 51.2		WFC	IMAGE	ALL	F673N		î	2325	2356	ī	SEL PA		ī
M33-PAR4	1 33 51.2		WFC	IMAGE	ALL	F547M		i	6ØØ	2356	1	SEL PA		
M33-PAR4	1 33 51.2		WFC	IMAGE	ALL	F656N					_			1
= = :								1	2000	2356	1	SEL PA		1
M33-PAR4	1 33 51.2	30 39 36	WFC	IMAGE	ALL	F547M		1	600	2356	1	CON SE	EL :	1
M33-PAR4	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON SE	EL :	1
M33-PAR4	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F673N		1	2400	2356	1	CON SE	EL :	1
M33-PAR4	1 33 51.2	3Ø 39 36	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL PA	AR ·	1
M33-PAR4	1 33 51.2		WFC	IMAGE	ALL	F673N		i	2325	2356	ī	SEL PA		ī
POINTØ134+329INCA221			S/C	POINTING	_	107014		1	2325 Ø	2860		SEL FA		1
-9 NGC613			WFC	IMAGE	ALL	EEEEW		_			1			
	1 34 17.8					F555W		1	300	2775	1			1
NGC613	1 34 17.8		WFC	IMAGE	ALL	F785LP		1	300	2775	1			1
UM341	1 34 18.2		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ		1
UM341	1 34 18.2		FOS/RD	ACQ/BINA	4.3	MIRROR		1	8	2424	1	ACQ		1
UM341	1 34 18.2	Ø 15 37	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	978	2424	1	. •		1
UM341	1 34 18.2	Ø 15 37	FOS/RD	ACCUM	1.0	G27ØH	2753	1	354	2424	1			1
UM341	1 34 18.2	Ø 15 37	FOS/BL	ACCUM	1.0	G13ØH	1379	1	7512	2424	1			1
UM34Ø	1 34 19.4		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ		1
UM34Ø	1 34 19.4		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ		ī
UM34Ø	1 34 19.4		FOS/RD	ACCUM	1.0	G19ØH	1004	_				ACW		-
UM34Ø			•				198ø	1	978	2424	2			1
	1 34 19.4		FOS/RD	ACCUM	1.0	G27ØH	2753	1	354	2424	2			1
UM34Ø	1 34 19.4	_	FOS/BL	ACCUM	1.0	G13ØH	1379	1	7626	2424	2			1
M33-M9	1 34 30.2		PC	IMAGE	ALL	F555W		1	100	2227	1			1
M33-M9	1 34 30.2	_	PC	IMAGE	ALL	F555W		1	1000	2227	1			1
M33-M9	1 34 30.2	3Ø 38 13	PC	IMAGE	ALL	F785LP		1	100	2227	1			1
M33-M9	1 34 30.2	3Ø 38 13	PC	IMAGE	ALL	F785LP		1	1000	2227	1			1
NGC8Ø4	1 34 33.0	3Ø 47 Ø	PC	IMAGE	ALL	F439W		ī	10	2441	ī			1
NGC8Ø4	1 34 33.0		PC	IMAGE	ALL	F439W		ī	8ø	2441	1			ī
NGC6Ø4	1 34 33.0		PČ	IMAGE	ALL	F469N		_						1
NGC8Ø4		<b></b>	PC	IMAGE	ALL			1	200	2441	1			
	1 34 33.0					F469N		1	1600	2441	1			1
M33-C2Ø	1 34 44.2	30 52 18	PC	IMAGE	ALL	F555W		1	100	2227	1			1

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		pec. Req.	Total Lines
	(,	200(2000)	· · · · · · · · · · · · · · · · · · ·	IIIO G C	,,po. 00. 0	2.0		-AP.		10	٠, .	Noq.	Lines
M33-C2Ø	1 34 44.2	3Ø 52 18	PC	IMAGE	ALL	F555W		1	1000	2227	1		1
M33-C2Ø	1 34 44.2		PC	IMAGE	ALL	F785LP		1	100	2227			ī
M33-C2Ø	1 34 44.2		PC	IMAGE	ALL	F785LP		_	1000	2227	ī		ī
NGC825	1 35 4.7		WFC	IMAGE	ALL	F555W		1	3ØØ	2775	ī		ī
NGC825		-41 26 12	WFC	IMAGE	ALL	F785LP		ī	300	2775	ī		ī
3C47	1 36 24.5		FOS/RD	ACCUM	1.0	G4ØØH	4000	ī	960	2578	2		ī
3C47	1 36 24.5		FOS/RD	ACCUM	1.0	G19ØH	1900		492Ø	2578	2		ī
3C47	1 36 24.5		FOS/RD	ACCUM	1.0	G27ØH	2700	_	1260	2578	2		i
3C47	1 36 24.5		FOS/RD	ACQ/BINA		MIRROR	2.00	ī	11	2578	2	ACQ	ī
UGC-1149	1 36 41.7		WFC	IMAGE	ALL	F555W		ī	300	2775	ī	,,,,,	i
UGC-1149	1 36 41.7		WFC	IMAGE	ALL	F785LP		ī	300	2775	î		î
3C48.Ø	1 37 41.3		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	3	ACQ	i
3C48.Ø	1 37 41.3	_	FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	3	ACQ	î
3C48.Ø	1 37 41.3		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	900	2424	3		. 1
3C48.Ø	1 37 41.3		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	444	2424	3		î
3C48.Ø	1 37 41.3		FOS/RD	ACCUM	1.0	G19ØH	198Ø		34Ø8	2424	3		ī
Ø134+329INCA221-9	1 37 41.3		FGS	POS	2	F583W		ī	51	286Ø	1		3
INCA221-9	1 37 41.4		FGS	POS	2	F583W		ī	51	286Ø	ī		. 2
NABØ137-Ø1	1 40 17.0		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	3	ACQ	ī
NABØ137-Ø1	1 40 17.0		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	ī
NABØ137-Ø1	1 40 17.0		FOS/BL	ACCUM	1.0	G13ØH	1379		Ø8ØØ	2424	3		ī
NABØ137-Ø1	1 40 17.0		FOS/RD	ACCUM	1.0	G19ØH	1980	_	153Ø	2424	3		ī
NABØ137-Ø1	1 40 17.0		FOS/RD	ACCUM	1.0	G27ØH	2753	1	558	2424	3		ī
NABØ137-Ø11	1 40 17.0	-0 50 3	PC	IMAGE	ALL	F664N		3	600	2687	1		ī
NABØ137-Ø11	1 40 17.0	-0 50 3	PC	IMAGE	ALL	F718M		3	120	2687	1		1
MRK573	1 43 57.8	2 20 59	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK573	1 43 57.8	2 20 59	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2711	1		1
0142-100	1 45 17.3	-9 45 12	WFC	IMAGE	ALL	F555W		1	100	235Ø	1	,	1
Ø142-1ØØ	1 45 17.3	-9 45 12	WFC	IMAGE	ALL	F555W		1	500	235Ø	1		1
0142-100	1 45 17.3	-9 45 12	WFC	IMAGE	ALL	F555W		1	2000	235Ø	1		. 1
Ø142-1ØØ	1 45 17.3	-9 45 12	WFC	IMAGE	ALL	F785LP		1	100	235Ø	1		. 1
0142-100	1 45 17.3	-9 45 12	WFC	IMAGE	ALL	F785LP		1	5ØØ	235Ø	1		1
0142-100	1 45 17.3		WFC	IMAGE	ALL	F785LP			2000	235Ø	1		1
UGC-1256	1 47 53.6		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-1258	1 47 53.6		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PHL1226	1 54 28.0		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PHL1228	1 54 28.0		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PHL1228	1 54 28.0		FOS/BL	ACCUM	1.0	G16ØL	1837	1	69Ø	2424	1		1
PHL1228	1 54 28.0		FOS/RD	ACCUM	1.0	G19ØH	198Ø		23Ø4	2424	1		1
PHL1228	1 54 28.0		FOS/RD	ACCUM	1.0	G27ØH	2753	1	827	2424	1		1
POINTØ153+744INCA221	1 54 56.1	74 37 40	s/c	POINTING	V1			1	Ø	286Ø	1		1
-15									1.1				
UM381	1 57 9.7		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
UM381	1 57 9.7		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
UM381	1 57 9.7		FOS/BL	ACCUM	1.0	G16ØL	1837	1	300	2424	3		1
UM381	1 57 9.7		FOS/RD	ACCUM	1.0	G19ØH	198Ø		1362	2424	3		1
Ø153+744INCA221-15	1 57 35.0		FGS	POS	2	F583W		1	51	286Ø	1		3
INCA221-15	1 57 42.0		FGS	POS	2	F583W		1	51	286Ø		100	2
UM153	1 58 44.2		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
UM153	1 58 44.2		FOS/RD	ACQ/BINA		MIRROR		1	8	2424	1	ACQ	1
UM153	1 58 44.2		FOS/RD	ACCUM	1.0	G27ØH	2753	1	36Ø	2424	1		1
UM153	1 58 44.2	3 49 48	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1092	2424	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
UM153	1 58 44.	2 3 49 46	F0S/BL	ACCUM	1.0	G16ØL	1837	1	413	2424	1		1
3C57	2 1 57.	1 -11 32 34	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
3C57	2 1 57.	1 -11 32 34	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
<b>3C57</b>	2 1 57.	1 -11 32 34	FOS/BL	ACCUM	1.0	G16ØL	1837	1	6Ø6	2424	2	•	1
<b>3C57</b>		1 -11 32 34	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1590	2424	2		1
<b>3C57</b>	2 1 57.	1 -11 32 34	FOS/RD	ACCUM	1.0	G27ØH	2753	1	522	2424	2		1
QØ159+Ø36	2 1 59.	7 3 50 42	PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
QØ159+Ø36	2 1 59.		PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
PKSØ2Ø2-78		1 -78 20 8	WFC	IMAGE	ALL	F785LP		1	500	2425	1		1
PKSØ2Ø2-78	2 2 13.		WFC	IMAGE	ALL	F785LP		1	2400	2425	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P5	F555W		1,	Ø	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0	8 25 14 19	PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P7	F555W		1	Ø	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0	· <del></del>	PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WDØ2Ø5+25Ø	2 8 46.		PC	IMAGE	P5	F336W		1	4	2579	. 1		1
WDØ2Ø5+25Ø	2 8 46.		PC	IMAGE	P5	F439W		1	1	2579	1		1
WDØ2Ø5+25Ø	2 8 46.		PC	IMAGE	P6	F336W		1	4	2579	1		1
WDØ2Ø5+25Ø	2 8 46.		PC	IMAGE	P7	F439W		1	1	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P6	F785LP		1	2	2579	1		1
WDØ2Ø5+25Ø	2 8 48.0		PC	IMAGE	P6	F439W		1	1	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P7	F336W		1	4	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P8	F336W		1	1	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0		PC	IMAGE	P5	F785LP		1	3	2579	1		1
WDØ2Ø5+25Ø	2 8 46.0 2 8 46.0		PC	IMAGE	P7	F785LP		1	3	2579	1		1
WDØ2Ø5+25Ø			PC PC	IMAGE	P8	F785LP		1	3	2579	1		1
Q0207-003 Q0207-003	2 9 5Ø.0 2 9 5Ø.0		PC PC	IMAGE IMAGE	ALL ALL	F555W		1	200	235Ø 235Ø	1		1 1
G74-7	2 11 16.0		FOS/RD	ACCUM	1.0	F555W	1044	1	8ØØ 12ØØ	2593	1 2		1
Ø214-Ø33	2 17 28.		FOS/BL	ACQ/BINA		G19ØH MIRROR	1944	i	11	2424	3	ACQ	1
Ø214-Ø33	2 17 28.		FOS/RD	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	i
Ø214-Ø33	2 17 28.		FOS/BL	ACCUM	1.0	G16ØL	1837	1	588	2424	3	ACQ	i
Ø214-Ø33	2 17 28.	·	FOS/RD	ACCUM	1.0	G27ØH	2753	i	774	2424	3		i
Ø214-Ø33	2 17 28.		FOS/RD	ACCUM	1.0	G19ØH	198Ø	i	2106	2424	3		i
PKSØ215+Ø15	2 17 48.		FOS/BL	ACQ/BINA		MIRROR	1000	ī	11	2424	3	ACQ	ī
PKSØ215+Ø15	2 17 48.		F0S/BL	ACCUM	1.0	G16ØL	1837	ī	768	2424	3		ī
Ø215+Ø15	2 17 49.1		HRS	ACCUM	2.0	G27ØM	263Ø	_	1000	2638	ĭ		ī
Ø215+Ø15	2 17 49.1		HRS	ACCUM	2.0	G27ØM	2710	8	1000	2638	ī		ī
Ø215+Ø15	2 17 49.1	0 1 44 50	HRS	ACCUM	2.0	G27ØM	2840	1ø	1079	2638	1		ī
Ø219+428	2 22 39.0	8 43 2 8	HRS	ACCUM	2.0	G27ØM	2858	4	440	2553	1		ī
HDØ14633	2 22 54.		HRS	WSCAN	Ø.25	ECH-A	1159	1	184	2251	2		1
HDØ14833	2 22 54.	3 41 28 48	HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	282	2251	2		ï
HDØ14633	2 22 54.	3 41 28 48	HRS	ACCUM	Ø.25	ECH-A	1548	ī	196	2251	2		1
HDØ14633	2 22 54.		HRS	WSCAN	Ø.25	ECH-A	1122	ī	245	2251	2		ī
HDØ14633	2 22 54.	3 41 28 48	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	233	2251	2		1
HDØ14633	2 22 54.	3 41 28 48	HRS	WSCAN	Ø.25	ECH-B	1744	1	418	2251	2		1
HDØ14633	2 22 54.	3 41 28 48	HRS	WSCAN	Ø.25	ECH-B	237Ø	ĩ	147	2251	2		1
HDØ14633	2 22 54.	3 41 28 48	HRS	ACCUM	Ø.25	ECH-A	1547	1	196	2251	2		1
HDØ14633	2 22 54.	3 41 28 48	HRS	ACCUM	Ø.25	ECH-A	1548	1	196	2251	2		1
HDØ14633	2 22 54.	3 41 28 48	HRS	ACCUM	Ø.25	ECH-B	2323	1	9Ø	2251	2		1
HDØ14633	2 22 54.3		HRS	ACCUM	Ø.25	ECH-A	1334	1	94	2251	2		1
HDØ14833	2 22 54.	3 41 28 48	HRS	ACCUM	Ø.25	ECH-A	1333	1	94	2251	2		2
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-B	1827	1	332	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-A	1279	1	184	2251	_		ī
HDØ14633	2 22 54.3	41 28 48	HRS	ACCUM	Ø.25	ECH-A	1251	1	77	2251			2
HDØ14633	2 22 54.3	41 28 48	HRS	ACCUM	Ø.25	ECH-A	1252	1	77	2251			ī
HDØ14633	2 22 54.3	41 28 48	HRS	ACCUM	Ø.25	ECH-B	2324	1	9Ø	2251			1
HDØ14633	2 22 54.3	41 28 48	HRS	ACCUM	Ø.25	ECH-B	2325	1	90	2251			1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-A	1192	1	2Ø9	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-B	2058	1	233	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-A	1240	1	295	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRŞ	WSCAN	Ø.25	ECH-A	1357	1	467	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-A	1391	1	541	2251	2		1
HDØ14633	2 22 54.3	41 28 48	HRS	WSCAN	Ø.25	ECH-B	2025	1	233	2251	2		1
ES0-Ø22Ø-2127	2 23 4.9	-21 14 4	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-Ø22Ø-2127	2 23 4.9		WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
3C67.Ø	2 24 12.3		PC	IMAGE	ALL	F718M		1	6ØØ	2488	1		1
3C67.Ø	2 24 12.3		PC	IMAGE	ALL	F656N		1	18ØØ	2488	1		1
MCØ222+113	2 25 41.9	11 34 26	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
MCØ222+113	2 25 41.9		FOS/BL	ACCUM	1.0	G16ØL	1837	1	123Ø	2424			1
NGC925-FIELD	2 27 3.4		WFC	IMAGE	ALL	F336W		1	2500	2227			2
NGC925-FIELD	2 27 3.4		WFC	IMAGE	ALL	F555W			2500	2227			13
NGC925-FIELD	2 27 3.4		WFC	IMAGE	ALL	F785LP			2500	2227	1		4
NGC925-FIELD	2 27 3.4		F0C/48	IMAGE	512X1Ø24	F15ØW			25ØØ	2227	1	PAR	12
NGC925-FIELD	2 27 3.4		F0C/48	IMAGE	512X1Ø24	F43ØW			2500	2227		PAR	3
NGC925-FIELD	2 27 3.4		F0C/48	IMAGE	512X1Ø24	F15ØW			2500	2227		PAR	1
NGC925-FIELD	2 27 3.4		F0C/48	IMAGE	512X1Ø24	F43ØW	1000		2500	2227		PAR	1
PKSØ229+13	2 31 45.9		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	96Ø	2578			1
PKSØ229+13	2 31 45.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2578		ACQ	1
PK\$0231+022	2 33 49.2		PC	IMAGE IMAGE	ALL ALL	F664N		3 3	600	2687	1		1
PKSØ231+Ø22 FORNAX-1	2 33 49.2 2 37 2.0		PC PC	IMAGE	ALL	F718M F555W		-	120	2687	_		1
FORNAX-1	2 37 2.0		PC	IMAGE	ALL	F791W		1 1	7Ø 9Ø	2497			1
FORNAX-1	2 37 2.0		PC	IMAGE	ALL	F555W		_	1000	2497 2497			1
FORNAX-1	2 37 2.0		PC	IMAGE	ALL	F791W			2000	2497			1
FORNAX-1	2 37 2.0		PČ	IMAGE	ALL	F439W			1100	2497			1
A00235+164	2 38 38.9		PC	IMAGE	ALL	F555W		î	200	2350			•
A0Ø235+164	2 38 38.9		PČ	IMAGE	ALL	F555W		ī	800	235Ø	_		i
FORNAX-2		-34 48 33	PC	IMAGE	ALL	F555W		i	7Ø	2497			î
FORNAX-2	2 38 44.3		PC	IMAGE	ALL	F791W		ī	90	2497			ī
FORNAX-2		-34 48 33	PC	IMAGE	ALL	F555W		_	1000	2497			ī
FORNAX-2		-34 48 33	PC	IMAGE	ALL	F791W			2000	2497			ī
FORNAX-2		-34 48 33	PC	IMAGE	ALL	F439W			1100	2497			ī
INCA221-18	2 39 31.5		FGS	POS	2	F583W		ī	51	286Ø			2
P0INTØ237-233INCA221		-23 18 37	S/C	POINTING				1	Ø	286Ø			1
-18 NGC1Ø49-FORNAX-3	0 00 40 1	04 15 00	D.C	THACE	A1.1	EEEEW			-~	0407			•
NGC1Ø49-FURNAX-3		-34 15 32	PC .	IMAGE IMAGE	ALL ALL	F555W F791W		1	70	2497			1
NGC1Ø49-FORNAX-3		-34 15 32		IMAGE	ALL			1		2497			1
NGC1049-FURNAX-3		-34 15 32		IMAGE	ALL	F555W F791W			1000	2497			1
NGC1049-FURNAX-3		-34 15 32		IMAGE	ALL	F791W F439W			2000	2497			1
GAL-CLUS-ABELL370-FL		-34 15 32	WFC	IMAGE	ALL	F439W F814W			1100 2300	2497 2373			1
D1													. 1
GAL-CLUS-ABELL37Ø-FL D1	2 39 53.6	-1 34 20	WFC	IMAGE	ALL	F555W		4	2300	2373	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
ABELL37Ø	2 39 54.4	-1 34 24	WFC .	IMAGE	ALL	F555W		1 1	.3399	2269	1		1
ABELL37Ø	2 39 54.4		WFC	IMAGE	ALL	F814W			6699	2269	i		i
GAL-CLUS-ABELL37Ø-FL			WFC	IMAGE	ALL	F814W			2000	2373	i		i
D2	2 40 0	1 01 00	0	21111.00	,,,,,,	102		•	2000	2373	•		•
GAL-CLUS-ABELL37Ø-FL D2	2 40 3.7	-1 32 36	WFC	IMAGE	ALL	F814W		2	2300	2373	1		1
GAL-CLUS-ABELL370-FL D2	2 40 3.7	-1 32 36	WFC	IMAGE	ALL	F555W		4	23ØØ	2373	1		, 1
FORNAX-4	2 40 7.7	-34 32 13	PC	IMAGE	ALL	F439W		1	1100	2497	1		1
Ø237-233INCA221-18	2 40 8.1	-23 9 18	FGS	POS	2	F583W		1	51	2860	1		3
NGC1Ø23	2 40 23.7	39 3 48	PC	IMAGE	ALL	F555W		1	16	2600	2		1
NGC1Ø23	2 40 23.7	39 3 46	PC	IMAGE	ALL	F555W		1	16Ø	26ØØ	2		1
NGC1Ø23	2 40 23.7	39 3 46	PC	IMAGE	ALL	F785LP		1	600	2600	2		1
NGC1Ø23	2 40 23.7	39 3 46	PC	IMAGE	ALL	F785LP		1	12	2600	2		1
NGC1Ø23	2 40 23.7	39 3 46	PC	IMAGE	ALL	F785LP		1	120	2600	2		1
UGC-2173	2 41 44.7	Ø 28 37	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-2173	2 41 44.7		WFC	IMAGE	ALL	F785LP		ī	300	2775	1		ī
FORNAX-5	2 42 21.2		PC	IMAGE	ALL	F555W		1	7Ø	2497	ī		1
FORNAX-5	2 42 21.2		PC	IMAGE	ALL	F791W		1	9Ø	2497	ī		1
FORNAX-5	2 42 21.2		PC	IMAGE	ALL	F555W		2	1000	2497	1		1
FORNAX-5	2 42 21.2		PC	IMAGE	ALL	F791W		2	2000	2497	ī		1
FORNAX-5	2 42 21.2	-34 6 8	PC	IMAGE	ALL	F439W		1	1100	2497	1		ī
NGC1Ø68	2 42 40.7		FOS/BL	ACCUM	Ø.5	G13ØH	1240	ĩ	8579	2077	ī		ī
NGC1Ø88	2 42 40.7	-Ø Ø 48	FOS/RD	ACCUM	Ø.5	G19ØH	1900	1	4289	2077	ī		1
NGC1Ø68	2 42 40.7	-Ø Ø 48	FOS/RD	ACCUM	Ø.5	G27ØH	27ØØ	1	2145	2077	1		1
SN1961V	2 43 36.4	37 20 43	WFC [*]	IMAGE	W1	F439W		1	3600	2590	1		ī
SN1961V	2 43 36.4	37 20 43	WFC	IMAGE	W1	F555W		1	1800	259Ø	1		1
SN1961V	2 43 36.4	37 20 43	WFC	IMAGE	W1	F658N		1	228Ø	2590	1		1
SN1961V	2 43 36.4	37 20 43	WFC	IMAGE	W1	F7Ø2W		1	1800	259Ø	1		1
SN1961V	2 43 36.4	37 20 43	WFC	IMAGE	W1	F785LP		1	2400	259Ø	1		1
ES0-Ø241-2912	2 43 44.3	-29 Ø 1Ø	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-Ø241-2912	2 43 44.3	-29 Ø 1Ø	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
HD169Ø1	2 44 5.2	44 17 49	F0C/288	IMAGE	512X1Ø24	F175W F1ND PRISM2		1	72	268Ø	1		1
US315Ø	2 46 51.8	-Ø 59 32	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
US315Ø	2 46 51.8	-Ø 59 32	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
US315Ø	2 46 51.8	-0 59 32	FOS/BL	ACCUM	1.0	G16ØL	1837	1	678	2424	3		1
US315Ø	2 46 51.8	-Ø 59 32	FOS/RD	ACCUM	1.0	G27ØH	2753	1	792	2424	3		1
US315Ø	2 46 51.8	-Ø 59 32	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	2232	2424	3		1
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	G16ØM	154Ø	1	2Ø4	2257	1		1
HD181ØØ	2 53 40.8	-28 9 20	HRS	ACCUM	2.0	G16ØM	186Ø	1	216	2257	1		1
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	G16ØM	1245	1	1Ø8	2257	1		1
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-B	1855	2	258	2257	1		1
HD181ØØ .	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	1549	1	426	2257	1		1
HD18100	2 53 40.8		HRS	ACCUM	2.Ø	ECH-B	26Ø3	1	258	2257	1		1
HD18100	2 53 40.8		HRS	ACCUM	2.Ø	G16ØM	1342	1	84	2257	1		1
HD18100	2 53 40.8		HRS	ACCUM	2.Ø	G16ØM	1387	1	192	2257	1		1
HD18100	2 53 40.8		HRS	ACCUM	2.0	ECH-A	1236	2	186	2257	1		1
HD18100	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	1392	1	365	2257	1		1
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-B	18Ø8	1	86	2348	1		1
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	1251	1	72	2348	1		1
HD18100	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	13Ø3	1	72	2348	1		1
HD18100	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	16Ø9	1	158	2348	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD181ØØ	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-A	1672	1	23ø	2348	1		1
HD18100	2 53 40.8	-26 9 20	HRS	ACCUM	2.0	ECH-B	1858	1	100	2348	1		ī
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F336W		1	500	2389	1		ī
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F336W		1	2000	2389	1		ī
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F547M		1	7Ø	2389	1		ĭ
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F439W		1	120	2389	1		ī
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F439W		1	48Ø	2389	1		1
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F547M		1	28Ø	2389	1		1
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5 ·	F814W		1	26	2389	1		1
NGC114Ø	2 54 33.6	-10 1 44	PC	IMAGE	P5	F814W		1	104	2389	1		1
QØ254-334	2 56 47.8	-33 15 26	F0C/288	IMAGE	512X512	F22ØW F2ND		1	1200	2624	1		1
ES0-Ø255-5446	2 56 51.6	-54 34 17	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-Ø255-5446	2 56 51.6	-54 34 17	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
US3472	2 59 37.4	Ø 37 36	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
US3472	2 59 37.4	Ø 37 36	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
US3472	2 59 37.4	Ø 37 38	FOS/BL	ACCUM	1.0	G16ØL	1837	1	612	2424	1		1
US3472	2 59 37.4	Ø 37 36	FOS/RD	ACCUM	1.0	G27ØH	2753	1	672	2424	1		1
US3472	2 59 37.4	Ø 37 36	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1926	2424	1		1
MRK1Ø66	2 59 58.6	36 49 14	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK1Ø66	2 59 58.6		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2711	1		1
NGC1172		-14 50 13	PC	IMAGE	ALL	F555W		1	35	2600	2		1
NGC1172	3 1 36.1		PC	IMAGE	ALL	F555W		1	35Ø	2600	2		1
NGC1172	3 1 36.1		PC	IMAGE	ALL	F785LP		1	26	2600	2		1
NGC1172		-14 50 13	PC	IMAGE	ALL	F785LP		1	26Ø	2600	2		1
NGC1187	3 1 42.4	35 12 19	PC	IMAGE	ALL	F569W		1	6ØØ	2488	1		1
NGC1167	3 1 42.4	35 12 19	PC	IMAGE	ALL	F664N		1	900	2488	1		1
ESO-0300-1905		-18 53 54	WFC	IMAGE	ALL	F555W_		1	300	2775	1		1
ES0-0300-1905	3 2 38.8		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
GD-4Ø	3 2 53.1	-1 8 34	FOS/BL	ACCUM	1.0	G13ØH	138Ø	1	855	2593	1		1
GD-4Ø	3 2 53.1	-1 8 34	FOS/BL	ACCUM	1.0	G27ØH	2700	1	240	2593	1		1
GD-40	3 2 53.1	-1 8 34	FOS/BL	ACCUM	1.0	G19ØH	1944	1	276	2593	1	1.00	1
GD-40 0300+162	3 2 53.1 3 3 15.0	-1 8 34	FOS/BL	ACQ/BINA		MIRROR		1	6	2593	1	ACQ	1
Ø3ØØ+162		16 26 19	PC	IMAGE	ALL	F555W		1	200	2350	1		1
GAL-CLUS-Ø3Ø33Ø+17Ø6			PC	IMAGE	ALL	F555W		1	800	2350	1		1
-FLD1	3 6 15.7	17 18 40	WFC	IMAGE	ALL	F814W		4	2300	2373	2		1
GAL-CLUS-Ø3Ø33Ø+17Ø6 -FLD1	3 6 15.7	17 18 40	WFC ·	IMAGE	ALL	F555W		5	2300	2373	2		1
PCØ3Ø7+Ø222	3 9 51.3	2 33 22	WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1		1
PCØ3Ø7+Ø222	3 9 51.3	2 33 22	WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	235Ø	1		1
EF-ERI	3 14 13.0	-22 35 41	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	1741	266Ø	1		1
MRK1Ø73	3 15 1.4	42 2 9	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK1Ø73	3 15 1.4	42 2 9	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2711	1		1
ES0-Ø315-4117	3 17 17.9	-41 6 24	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-Ø315-4117	3 17 17.9	-41 6 24	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
STAR-Ø314+4839	3 17 36.8	48 5Ø 1Ø	HRS	ACCUM	Ø.25	G14ØL	143Ø	1	1500	2485	2		1
ES0-Ø317-664Ø	3 18 15.5	-66 3Ø 13	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-Ø317-664Ø	3 18 15.5	-66 3Ø 13	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
3C84	3 19 48.2	41 30 42	FGS	TRANS	1	F55ØW		1	586	2443	1		1
3C84	3 19 48.2		FGS	TRANS	1	F583W		1	586	2443	1		1
3C84	3 19 48.2		FGS	TRANS	1	F65ØW		1	586	2443	1		1
Ø318-196	3 20 21.2	-19 26 32	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	354	2424	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp Exp. Tir		Cy.	Spec. Req.	Total Lines
Ø318-196	3 20 21.2	-19 26 32	FOS/RD	ACQ/BINA	4.3	MIRROR		1 :	2424	1	ACQ	1
NGC1316	3 22 41.7	-37 12 30	F0C/96	IMAGE	512X512	F1ND F342W		1 249		1		1
NGC1316	3 22 41.7	-37 12 30	F0C/98	IMAGE	512X512	F175W .		1 2039		1		1
NGC1316	3 22 41.7	-37 12 30	F0C/96	IMAGE	512X512	F1ND F2ND F48ØLP		1 464		1		1
NGC1316	3 22 41.8	-37 12 29	PC .	IMAGE	ALL	F439W		1 1000		1		ī
NGC1316	3 22 41.8	-37 12 29	PC	IMAGE	ALL	F569W		1 200		1		1
NGC1318	3 22 41.8	-37 12 29	PC	IMAGE	ALL	F675W		1 100		1		1
NGC1316	3 22 41.8	-37 12 29	PC	IMAGE	ALL	F664N		1 1086		ī		2
NGC1318	3 22 41.8	-37 12 29	WFC	IMAGE	ALL	F439W		1 2009		1		1
NGC1318	3 22 41.8	-37 12 29	WFC	IMAGE	ALL	F569W		1 1000		ī		ī
NGC1318	3 22 41.8	-37 12 29	WFC	IMAGE	ALL	F675W		1 1000		ī		1
NGC1318	3 22 41.8	-37 12 29	WFC	IMAGE	ALL	F664N		1 3299		1		2
NGC1318	3 22 41.8	-37 12 29	F0C/48	SPEC	512X1024-SLIT	G45ØM	4500	1 18000		1		<u> </u>
NGC1316-HALO	3 22 41.8	-37 12 29	WFC [*]	IMAGE	ALL	F569W		1 21600		1	PAR	ĩ
G5-32-CALIB	3 23 22.4	11 41 13	PC	IMAGE	ALL	F547M		1 (		1	CAL	ī
G5-32-CALIB	3 23 22.4	11 41 13	PC	IMAGE	ALL	F547M		1 !	2265	1	CAL	1
G5-32-CALIB	3 23 22.4	11 41 13	PC	IMAGE	ALL	F875M		1 6	2265	1	CAL	1
G5-32-CALIB	3 23 22.4	11 41 13	PC	IMAGE	ALL -	F875M		1 186	2265	1	CAL	1
G5-32-CALIB	3 23 22.4	11 41 13	PC	IMAGE	ALL	F875M		1 :	2265	1	CAL	1
STAR-Ø322+49Ø3	3 26 19.3	49 13 34	HRS	ACCUM	Ø.25	G14ØL	1430	1 1500	2485	2		1
STAR-Ø322+4915	3 26 22.1	49 25 38	HRS	ACCUM	Ø.25	G14ØL	1533	1 1500	2485	2		• 1
STAR-Ø322+4915	3 26 22.1		HRS	ACCUM	Ø.25	G14ØL	13Ø3	1 262	2485	2		1
STAR-Ø323+4944	3 26 43.7		HRS	ACCUM	Ø.25	G14ØL	1533	1 1500	2485	2		1
STAR-Ø323+4944	3 26 43.7		HRS	ACCUM	Ø.25	G14ØL	13Ø3	1 262		2		1
MRK812	3 30 40.9		FOS/RD	ACCUM	Ø.5	PRISM		1 72	2711	1		1
MRK612	3 30 40.9		FOS/RD	ACQ/BINA		MIRROR		1 13		1		1
STAR-Ø327+4743	3 30 47.5		HRS	ACCUM	Ø.25	G14ØL	143Ø	1 1500				1
ES0-Ø329-3347	3 31 7.9		WFC	IMAGE	ALL	F555W		1 300		1		1
ES0-0329-3347	3 31 7.9		WFC	IMAGE	ALL	F785LP		1 300		1		1
G5-43-CALIB	3 31 46.4		PC	IMAGE	ALL	F547M		1 9		1	CAL	1
G5-43-CALIB	3 31 46.4		PC	IMAGE	ALL	F547M		1 !		1	CAL	1
G5-43-CALIB	3 31 46.4		PC	IMAGE	ALL	F875M		1 239			CAL	1
G5-43-CALIB	3 31 46.4		PC PC	IMAGE IMAGE	ALL	F875M		1 4		1	CAL	1
G5-43-CALIB	3 31 46.4 3 33 35.6		WFC	IMAGE	ALL	F875M		1		1	CAL	1
NGC1365-FIELD NGC1365-FIELD	3 33 35.6 3 33 35.6		WFC	IMAGE	ALL ALL	F555W F785LP		1 1200		1		1
NGC1365-FIELD	3 33 35.6		F0C/48	IMAGE	512X1Ø24	F15ØW		1 1200		_	DAD	1
NGC1365-FIELD	3 33 35.6	7.7	F0C/48	IMAGE	512X1024 512X1024	F43ØW		1 1200		1	PAR PAR	1 1
ES0-Ø332-25Ø6	3 35 35.0		WFC	IMAGE	ALL	F555W		1 1200 1 300			PAR	1
ES0-Ø332-25Ø6	3 35 1.0		WFC	IMAGE	ALL	F785LP		1 30		_		i
EX0Ø33319-2554.2	3 35 28.6		FOS/BL	RAPID	1.0	G16ØL		1 156		_		2
EX0033319-2554.2	3 35 28.6		FOS/BL	ACQ/BINA		MIRROR		1 130			ACQ	1
HD22586	3 35 38.0		HRS	ACCUM	2.0	ECH-B	18Ø8	1 80		_	vcd	1
HD22586	3 35 38.0		HRS	ACCUM	2.0	ECH-A	1251	1 7		1		i
HD22586		-52 33 24	HRS	ACCUM	2.0	ECH-A	1303	1 7				1
HD22586	3 35 38.0		HRS	ACCUM	2.0	ECH-A	1609	1 15				i
HD22586	3 35 38.0		HRS	ACCUM	2.0	ECH-A	1672	1 236		1		i
HD22586	3 35 38.0		HRS	ACCUM	2.0	ECH-B	1858	1 10		_		i
HD22586	3 35 38.0		HRS	ACCUM	2.0	G16ØM	1540	1 34				ī
HD22586	3 35 38.0		HRS	ACCUM	2.0	G16ØM	1245	1 19		i		i
HD22586		-52 33 24	HRS	ACCUM	2.0	ECH-B	1855	2 37				ī
HD22586		-52 33 24	HRS	ACCUM	2.0	G16ØM	1387	1 30				ī
							*					

M022586   3 35 8.8   -0 2 30 24   HRS   ACCUM   2.8   ECH-8   1 260 2257   1   1   1   1   1   1   1   1   1	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD925666   33 58 38.9 - 52 33 24   HRS	HD22586	3 35 38.0	5 -52 33 24	HRS	ACCUM	2.0	ECH-B	2603	. 1	258	2257	1		1
H022588   3 S 538.6 - E2 33 24 HRS   ACCUM   2.0   ECH-A   1549   2 369   2257   1   1     H022588   3 S 538.6 - E2 33 24 HRS   ACCUM   2.0   G160M   1860   1 786   2257   1   1     H022588   3 S 538.6 - E2 33 24 HRS   ACCUM   2.0   G160M   1860   1 786   2576   2   1     H022589   3 S 538.6 - E2 33 24 HRS   ACCUM   2.0   G160M   1860   1 786   2576   2   1     H021589   3 S 538.1 32 18 29   F05/RD   ACCUM   1.0   G4606H   4080   1 786   2576   2   1     H021589   3 S 538.1 32 18 29   F05/RD   ACCUM   1.0   G4606H   4080   1 786   2576   2   1     H021589   3 S 538.1 32 18 29   F05/RD   ACCUM   1.0   G4606H   4080   1 786   2576   2   1     H021589   3 S 538.0 - E2 33 18 FC   10   ACCUM   1.0   G4606H   4080   1 786   2576   2   1     H021589   3 S 52.0 - 28 20 13   F05/RD   ACCUM   1.0   G4606H   4080   1 786   2576   2   1     H021589   3 S 52.0 - 28 20 13   F05/RD   ACCUM   1.0   G4606H   4080   1 786   2776   1     ESU-0338-2829   3 S 52.0 - 28 20 13   F05/RD   ACCUM   1.0   G4606H   1 1   1 1   1   1   1   1   1   1	HD22586	3 35 38.0	-52 33 24	HRS	ACCUM	2.0	G16ØM	1342	1	144	2257	1		1
H022586 3 3 58 3.6 - 52 33 24 HRS ACCUM 2.0 ECH-A 1549 2 360 2257 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HD22586	3 35 38.0	-52 33 24	HRS	ACCUM	2.0	ECH-A	1236	2	33Ø	2257	1		1
H022586   3   8   53   6   6-2   33   24   HRS   ACCUM   2   6   0   0   0   0   0   0   0   0   0					ACCUM	2.0	ECH-A	1392		294	2257	1		1
NRAD146				HRS	ACCUM	2.0	ECH-A	1549		36Ø		1		1
NRAD146					ACCUM	2.Ø	G16ØM	186Ø	1	311	2257	1		1
NRAD146			32 18 29	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	78Ø	2578	2		1
ESD-0-8386-2629 3 8 6 52.6 -28 29 13 WFC IMÁGE ALL F565FW 1 300 2776 1 1 1 ESD-0-836-2629 3 7 1 WFC IMÁGE ALL F765FW 1 300 2776 1 1 1 ESD-0-846-4722 3 42 1.1 -47 13 20 WFC IMÁGE ALL F765FW 1 300 2776 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					ACCUM	1.0		2700	_	1440				1
ESU-0836-2629 3 8 5 2, 6 -26 20 13 WFC IMAGE ALL F785LP 1 300 2775 1 1 1					ACQ/BINA	4.3	MIRROR		_			2	ACQ	1
ESD-0846-4722 3 42 1.1 -47 13 20 WFC IMAGE ALL F555W 1 300 2775 1 1 1 NGC142E-FIELD 3 42 11.5 -29 53 46 WFC IMAGE ALL F565W 1 1200 2227 1 1 NGC142E-FIELD 3 42 11.5 -29 53 46 WFC IMAGE ALL F565W 1 1200 2227 1 1 NGC142E-FIELD 3 42 11.5 -29 53 46 WFC IMAGE ALL F565W 1 1200 2227 1 1 NGC142E-FIELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-FIELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-FIELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 42 11.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 42 12.5 -29 53 46 F0C/48 IMAGE 512X1024 F150W 1 1 1200 2227 1 PAR 1 NGC142E-F1ELD 3 4 42 20.9 24 47 51 HRS ACCUM 6.25 G140L 1533 1 2400 2485 2 1 STAR-63389-2428 3 44 22.0 24 47 51 HRS ACCUM 6.25 G140L 1533 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 43 17 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 43 17 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 45 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 45 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2416 3 46 82 2.6 2 45 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 45 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 2 45 HRS ACCUM 6.25 G140L 1430 1 2400 2485 2 1 STAR-6349-2415 3 46 82 2.6 1 STAR-6349-2415 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-A 1159 1 46 5251 2 1 H0023630 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-B 1744 1 102 2251 2 1 H0023630 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-B 1744 1 102 2251 2 1 H0023630 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-B 12370 1 1 48 2251 2 1 H0023630 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-B 1232 1 1 2 2251 2 1 H0023630 3 47 29.1 24 6 18 HRS ACCUM 6.25 ECH-B 1232									_			1		
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HDØ2363Ø 3 47 29.1 24 6 18 HRS ACCUM Ø.25 ECH-B 2324 1 22 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2325 1 22 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1192 1 51 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 1827 1 81 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2058 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2058 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1240 1 72 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1240 1 72 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1279 1 45 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 420 2485 2 1 HDØ2365Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18							23				
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HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 1827 1 81 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2058 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 124Ø 1 72 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1279 1 45 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	ACCUM		ECH-B	2325	1	22	2251			
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2058 1 57 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 124Ø 1 72 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1279 1 45 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-A	1192	1	51	2251	2		1
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 124Ø 1 72 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1279 1 45 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2Ø25 1 57 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-B	1827	1	81	2251	2		1
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1279 1 45 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-B	2058	1	57	2251	2		1
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1357 1 114 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-A	1240	1	72	2251	2		1
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-A 1391 1 132 2251 2 1 HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-A	1279	1	45	2251	2		1
HDØ2363Ø 3 47 29.1 24 6 18 HRS WSCAN Ø.25 ECH-B 2025 1 57 2251 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 13Ø3 1 42ØØ 2485 2 1 STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-A	1357	1	114	2251	2		1
STAR-Ø341+24Ø3       3 47 4Ø.3 24 21 57 HRS       ACCUM       Ø.25       G14ØL       13Ø3       1 42ØØ 2485 2       1         STAR-Ø341+24Ø3       3 47 4Ø.3 24 21 57 HRS       ACCUM       Ø.25       G14ØL       1533       1 24ØØ 2485 2       1         HDØ2385Ø       3 49 9.7 24 3 12 HRS       WSCAN       Ø.25       ECH-A       1159       1 94 2251 2       1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN		ECH-A		1	132	2251	2		1
STAR-Ø341+24Ø3 3 47 4Ø.3 24 21 57 HRS ACCUM Ø.25 G14ØL 1533 1 24ØØ 2485 2 1 HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	HDØ2363Ø	3 47 29.1	24 6 18	HRS	WSCAN	Ø.25	ECH-B	2025	1	57	2251	2		1
HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-A 1159 1 94 2251 2 1	STAR-Ø341+24Ø3	3 47 40.3	24 21 57	HRS	ACCUM	Ø.25	G14ØL	13Ø3	1	4200	2485	2		1
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HDØ2385Ø 3 49 9.7 24 3 12 HRS WSCAN Ø.25 ECH-B 1744 1 214 2251 2 1				HRS	WSCAN	Ø.25	ECH-A	1159	1	94	2251	2		1
	HDØ2385Ø	3 49 9.7	24 3 12	HRS	WSCAN	Ø.25	ECH-B	1744	1	214	2251	2		1

Fi	xed	Tar	·ge	ts
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1548	1	100	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-A	1122	1	125	2251	2		1
HDØ2385Ø	3 49 9.7	_	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	119	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-B	1807	1	144	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	75	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1547	1	100	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1548	1	100	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-B	2323	1	46	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-A	1192	1	107	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-B	1827	1	17Ø	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-A	1279	1	94	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1251	1	39	2251	2		2
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1252	1	39	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1334	1	48	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-A	1333	1	48	2251	2		2
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-B	2324	1	48	2251	2	,	1
HDØ2385Ø	3 49 9.7		HRS	ACCUM	Ø.25	ECH-B	2325	1	46	2251	2		1
HDØ2385Ø HDØ2385Ø	3 49 9.7 3 49 9.7		HRS HRS	WSCAN WSCAN	Ø.25	ECH-B	2058	1	119	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN	Ø.25	ECH-A	1240	1	151	2251	2		1
HDØ2385Ø	3 49 9.7		HRS		Ø.25	ECH-A	1357	1	239	2251	2		1
HDØ2385Ø	3 49 9.7		HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A ECH-B	1391	1	277	2251 2251	2		1 1
BD+16D516	3 50 24.9		HRS	ACCUM	0.25 2.0	G14ØL	2025	1 8	119	2593	1		1
BD+16D516	3 50 24.9		HRS	ACCUM	2.0	G14ØL	1530	8	69 69	2593	-		1
3C95		-14 29 10	FOS/BL	ACQ/BINA		MIRROR	1281	1	11	2424	1 2	ACO	1
3C95		-14 29 10	FOS/RD	ACQ/BINA		MIRROR		1	11	2424	2	ACQ ACQ	1
3C95		-14 29 10	FOS/BL	ACCUM	1.0	G16ØL	1837	i	480	2424	2	MCQ	1
3C95		-14 29 10	FOS/RD	ACCUM	1.0	G19ØH	1980	-	138Ø	2424	2		1
3C95		-14 29 10	FOS/RD	ACCUM	1.0	G27ØH	2753	i	468	2424	2		î
PKS349-27		-27 44 34	PC	IMAGE	ALL	F875W	2700	_	35ØØ	2456	1		ī
PKS349-27		-27 44 34	PČ	IMAGE	ALL	F785LP			3400	2456	ī		ī
PKSØ355-483		-48 12 16	FOS/BL	ACQ/BINA	_	MIRROR		1	11	2424	3	ACQ	ī
PKSØ355-483		-48 12 16	FOS/RD	ACQ/BINA		MIRROR		î	11	2424	3	ACQ	ī
PKSØ355-483		-48 12 16	FOS/BL	ACCUM	1.0	G16ØL	1837	ī	900	2424	3	,,,,	ī
PKSØ355-483	3 57 22.0		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	522	2424	3		1
PKSØ355-483	3 57 22.0	-48 12 16	FOS/RD	ACCUM	1.0	G19ØH	1980	_	2154	2424	3		1
DWØ4ØØ+25	4 3 5.6	26 Ø 1	FOS/RD	ACCUM	1.0	G4ØØH	4000		1320	2578	2		1
DWØ4ØØ+25	4 3 5.6		FOS/RD	ACQ/BINA	4.3	MIRROR		ī	11	2578	2	ACQ	1
ES0-Ø4Ø2-4329	4 3 54.3	-43 20 57	WFC [*]	IMAGE	ALL	F555W		1	300	2775	1	•	1
ES0-Ø4Ø2-4329	4 3 54.3	-43 20 57	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
ES0-Ø4Ø2-5414	4 4 2.9	-54 5 55	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-Ø4Ø2-5414	4 4 2.9	-54 5 55	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
Ø4 <b>Ø</b> 234+21	4 5 31.6	21 5Ø 38	PC	IMAGE	ALL	F875M		1	20	2265	2		1
PKSØ4Ø3-13	4 5 34.0	-13 8 14	FOS/RD	ACCUM	1.Ø	G4ØØH	4000	1	420	2578	1		- 1
PKSØ4Ø3-13	4 5 34.0	-13 8 14	FOS/RD	ACCUM	1.Ø	G27ØH	2700	1	500	2578	1		1
PKSØ4Ø3-13	4 5 34.0		FOS/RD	ACCUM	1.0	G19ØH	1900	1	96Ø	2578	1		1
PKSØ4Ø3-13	4 5 34.0		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	1	ACQ	• 1
HD25825	4 6 15.3		HRS	ACCUM	Ø.25	G14ØL	1430	1	1500	2485	1	•	1
PKSØ4Ø5-12		-12 11 36	FOS/BL	ACCUM	1.0	G16ØL	1837	1	300	2424	1		1
PKSØ4Ø5-12		-12 11 36	FOS/BL	ACQ/BINA		MIRROR		1	4	2424	1	ACQ	1
Ø4Ø5-123INCA221-27		-12 11 37	FGS	POS	2	F55ØW		1	51	286Ø	1	•	3
INCA221-27	4 7 53.0	-12 9 38	FGS	POS	2	F55ØW		1	51	286Ø	1		2

	<b>D.</b> (255)		Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total	
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines	
POINTØ4Ø5-123INCA221 -27	4 8 18.4	-12 20 47	s/c	POINTING	V1			1	Ø	286ø	1		1	
VB13	4 10 42.4	18 25 24	HRS	ACCUM	Ø.25	G27ØM	2498	1	900	2634	1		1	
VB13	4 10 42.4	18 25 24	HRS	ACCUM	Ø.25	G27ØM	2498	1	379	2634	1		1	
LK-CA-1	4 13 14.7	28 18 25	PC	IMAGE	ALL	F875M		1	7	2265	2		1	
HD283447	4 14 13.4	28 11 26	PC	IMAGE	ALL	F875M		1	1	2265	2		1	
FMTAU	4 14 14.1	28 12 3	PC	IMAGE	ALL	F875M		1	23	2265	2		1	
FNTAU	4 14 15.1	28 27 12	PC	IMAGE	ALL	F875M		1	40	2265	2		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F631N		1	100	2265	1		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F875M		1	Ø	2265	1		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F875M		1	1 4	2265	1		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F875M		1	100	2265	1		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F622W		1 1	1	2265	1		1	
CWTAU	4 14 17.5	28 10 12	PC	IMAGE	ALL	F631N	1420	_	16	2265 2485	1		1	
HD26767 Ø411+Ø54	4 14 26.9 4 14 37.8	12 26 8	HRS WFC	ACCUM	Ø.25	G14ØL	1430	1	1500 500	2350	1		1	
Ø411+Ø54	4 14 37.8	5 34 42 5 34 42	WFC	IMAGE IMAGE	ALL ALL	F555W F555W		_	2ØØØ	2350	1		1 1	
Ø411+Ø54	4 14 37.8	5 34 42	WFC	IMAGE	ALL	F785LP		1	5ØØ	2350	1		1	
Ø411+Ø54	4 14 37.8	5 34 42	WFC	IMAGE	ALL	F785LP		_	2000	2350	1		i	
FPTAU	4 14 48.1	26 45 55	PC	IMAGE	ALL	F875M		ī	9	2265	ī		i	
FPTAU	4 14 48.1	26 45 55	PC	IMAGE	ALL	F875M		ī	400	2265	î		ī	
FPTAU	4 14 48.1	26 45 55	PC	IMAGE	ALL	F547M		ī	3	2265	ī		ī	
FPTAU	4 14 48.1	26 45 55	PC	IMAGE	ALL	F547M		ī	23	2265	ī		1	
FPTAU	4 14 48.1	26 45 55	PC	IMAGE	ALL	F875M		1	1	2265	1		ī	
LK-CA-3	4 14 48.5	27 51 49	PC	IMAGE	ALL	F547M		1	5	2265	1		1	
LK-CA-3	4 14 48.5	27 51 49	PC	IMAGE	ALL	F875M		1	Ø	2265	1		1	
LK-CA-3	4 14 48.5	27 51 49	PC	IMAGE	ALL	F875M		1	2	2265	1		1	
LK-CA-3	4 14 48.5	27 51 49	PC.	IMAGE	ALL	F875M		1	200	2265	1		1	
LK-CA-3	4 14 48.5	27 51 49	PC	IMAGE	ALL	F547M		1	Ø	2265	1		1	
CXTAU	4 14 48.7	26 47 39	PC	IMAGE	ALL	F875M		1	8	2265	2		1	
4Ø-ERI-B	4 15 22.0	-7 39 34	HRS	ACCUM	2.0	G14ØL	1288	1	600	2593	1		1	
40-ERI-B	4 15 22.0	-7 39 34	HRS	ACCUM	2.0	G14ØL	1530	1	125	2593	1		1	
4Ø-ERI-B	4 15 22.0	-7 39 34	HRS	ACCUM	2.0	G14ØL	1771	1	77	2593	1		1	
ESO-Ø415-5554	4 16 10.6		WFC	IMAGE	ALL	F555W		1	300	2775	1		1	
ES0-0415-5554	4 16 10.6		WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1	
LK-CA-4 LK-CA-4	4 16 28.6	28 6 49	PC	IMAGE	ALL	F547M		1 1	7	2265 2265	1		1	
LK-CA-4	4 16 28.6 4 16 28.6	28 6 49 28 6 49	PC ·	IMAGE IMAGE	ALL .	F547M F875M		1	ø	2265	1 1		1 1	
LK-CA-4			PC PC	IMAGE	ALL	F875M		1	4	2265	1		1	
LK-CA-4	4 16 28.6 4 16 28.6	28 6 49 28 6 49	PC	IMAGE	ALL	F875M		i	400	2265	1		1	
3C11Ø	4 17 18.7	-5 53 45	FOS/BL	ACQ/BINA		MIRROR		i	11	2424	2	ACQ	i	
3C11Ø	4 17 16.7	-5 53 45	FOS/BL	ACCUM	1.0	G16ØL	1837	ī	456	2424	2	ACQ	i	
CYTAU	4 17 34.4	28 2Ø 1	PC	IMAGE	ALL	F547M	1007	î	2	2265	1		ī	
CYTAU	4 17 34.4	28 20 1	PC	IMAGE	ALL	F875M		ī	7	2265	ī		ī	
CYTAU	4 17 34.4	28 20 1	PC	IMAGE	ALL	F875M		ī	400	2265	ī		ī	
CYTAU	4 17 34.4	28 20 1	PC PC	IMAGE	ALL	F547M		ī	14	2265	ī		ī	
CYTAU .	4 17 34.4	28 20 1	PČ	IMAGE	ALL	F875M		ī	1	2265	ī		ī	
LK-CA-5	4 17 39.6	28 32 14	PC	IMAGE	ALL	F875M		ī	8	2265	2		ī	
3C111EAST	4 18 30.4	38 2 31	PC	IMAGE	P6	F6Ø6W		1	2500	23Ø1	1		3	
3C111EAST	4 18 30.4	38 2 31	PC	IMAGE	P6	F814W		1	1300	23Ø1	1		3	
V41ØTAU	4 18 31.7	28 26 30	PC	IMAGE	ALL	F547M		1	Ø	2265	1		1	
V41ØTAU	4 18 31.7	28 26 30	PC	IMAGE	ALL	F547M		1	1	2265	1		1	

	F	i	xed	Ta	rgets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
V41ØTAU	4 18 31.7		PC	IMAGE	ALL	F875M		1	ø	2265	1		2
V41ØTAU	4 18 31.7		PC	IMAGE	ALL	F875M		1	1	2265	1		1
V41ØTAU	4 18 31.7	28 26 30	PC	IMAGE	ALL	F875M		1	160	2265	1		1
DDTAU	4 18 31.7		PC	IMAGE	ALL	F875M		1	10	2265	2		1
CZTAU	4 18 32.2		PC	IMAGE	ALL	F875M		1	23	2265	2		1
V892TAU	4 18 41.2		PC	IMAGE	ALL	F875M		1	40	2265	2		1
BP-TAU	4 19 15.9 4 19 15.9		PC PC	IMAGE	P8	F439W		1	Ø	2799	1		1
BP-TAU	4 19 15.9	29 6 27 29 5 41	PC	IMAGE	P8	F791W		1	Ø	2799	1		3
BPTAU BPTAU	4 19 16.4	29 5 41	PC	IMAGE IMAGE	ALL ALL	F547M		1	4	2265	1		1
BPTAU	4 19 16.4	29 5 41	PC	IMAGE	ALL	F875M		1	Ø	2265 2265	1		1
BPTAU	4 19 16.4		PC	IMAGE	ALL	F875M F875M		1 1	35Ø	2265	1		1
BPTAU	4 19 16.4	29 5 41	PC	IMAGE	ALL	F547M		i	300 Ø	2265	1 1		1 1
V819TAU	4 19 27.1		PC	IMAGE	ALL	F875M		i	8	2265	2		i
Ø41636+27	4 19 41.9		PC	IMAGE	ALL	F547M		1	1	2265	1		i
Ø41636+27	4 19 41.9		PČ	IMAGE	ALL	F547M		ī	7	2265	i		i
Ø41636+27	4 19 41.9		PC	IMAGE	ALL	F875M		i	ø	2265	i		ī
Ø41636+27	4 19 41.9		PC	IMAGE	ALL	F875M		ī	4	2265	ī		ī
Ø41636+27	4 19 41.9	27 49 2	PC	IMAGE	ALL	F875M		ī	400	2265	1		ī
DETAU	4 21 56.2	27 54 20	PC	IMAGE	ALL	F875M		1	5	2265	2		1
RYTAU	4 21 58.0	28 25 49	PC	IMAGE	ALL	F875M		1	1	2265	2		1
HD283572	4 21 59.4	28 17 20	PC	IMAGE	ALL	F875M		1	Ø	2265	2		1
PKSØ42Ø-Ø1	4 23 15.8		FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
PKSØ42Ø-Ø1	4 23 15.8		FOS/BL	ACCUM	1.0	G16ØL	1837	1	1104	2424	2		1
HD27835	4 24 12.5		HRS	ACCUM	Ø.25	G14ØL	1430	_	1500	2485	1		1
ERIDANUS	4 24 45.6		PC	IMAGE	ALL	F555W		1	40	2419	1		1
ERIDANUS	4 24 45.6		PC	IMAGE	ALL	F791W		1	100	2419	. 1		1
ERIDANUS	4 24 45.8		PC	IMAGE	ALL	F791W			2000	2419	1		4
ERIDANUS LK-CA-8	4 24 45.6 4 24 57.8		PC PC	IMAGE IMAGE	ALL	F555W			1400	2419	1		2
LK-CA-8	4 24 57.8		PC	IMAGE	ALL ALL	F547M F875M		1	10	2265 2265	1		1 1
LK-CA-8	4 24 57.8		PC	IMAGE	ALL	F875M		1 1	1 7	2265	1		1
LK-CA-8	4 24 57.8		PC	IMAGE	ALL	F875M		1	400	2265	1		1
LK-CA-8	4 24 57.8		PČ	IMAGE	ALL	F547M		i	1	2265	i		i
BD+16D6Ø1-CALIB	4 26 40.1	16 44 49	FOS/BL	RAPID	Ø.5	PRISM	3675	ī	54	2435	ī	CAL	ī
BD+16D6Ø1-CALIB	4 26 40.1		FOS/BL	ACQ/PEAK		PRISM	3675	ī	ø	2435	ī	ACQ	ī
BD+16D6Ø1-CALIB	4 26 40.1	16 44 49	FOS/BL	ACQ/PEAK		PRISM	3675	ī	ø	2435	ī	ACQ	ĩ
HARO6-8	4 26 54.3	26 6 23	PC	IMAGE	ALL	F875M		1	23	2265	2	•	1
DFTAU.	4 27 3.6	25 41 51	PC	IMAGE	ALL	F622W		1	Ø	2265	1		1
DFTAU	4 27 3.6		PC	IMAGE	ALL	F631N		1	8Ø	2265	1		1
DFTAU	4 27 3.6		PC	IMAGE	ALL	F875M		1	Ø	2265	1		1
DFTAU	4 27 3.6		PC	IMAGE	ALL	F631N		1	12	2265	1		1
DFTAU	4 27 3.6		PC	IMAGE	ALL	F875M		1	140	2265	1		1
DFTAU	4 27 3.6		PC	IMAGE	ALL	F875M		1	2	2265	1		1
HD28344	4 28 47.9		HRS	ACCUM	Ø.25	G14ØL	1533		2100	2485	1		1
HD28344	4 28 47.9		HRS	ACCUM	Ø.25	G14ØL	13Ø3		3675	2485	1		1
DHTAU	4 29 42.3		PC	IMAGE	ALL	F875M		1	10	2265	2		1
DITAU	4 29 43.2		PC	IMAGE	ALL	F875M		1	5	2265	2		1
IQTAU UXTAU-A	4 29 52.3 4 3Ø 5.2		PC PC	IMAGE IMAGE	ALL	F875M		1	8	2265	2		1
UXTAU-B	4 30 5.2		PC	IMAGE	ALL ALL	F875M		1	2	2265	2		1
FXTAU	4 30 30.4		PC	IMAGE	ALL	F875M F875M		1	8 8	2265 2265	2 2		1 1
		0 _10	. •	200146		1 0 1 0 M		•	0	2203	4		•

Target	RA (2000) Dec	: (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
DKTAU	4 30 45.0 26	3 Ø 53	PC	IMAGE	ALL	F875M		1	4	2265	2	1
NGC1589	4 30 48.5 64		PC	IMAGE	P5	F439W		1	600	2389	ī	ī
NGC1569	4 30 48.5 64		PC	IMAGE	P5	F547M		1	400	2389	ī	ī
NGC1589	4 30 48.5 64		PC	IMAGE	P5	F814W		1	500	2389	ī	ī
NGC1569	4 30 48.5 64	50 55	PC	IMAGE	P5	F336W		1	1800	2389	1	1
NGC1569	4 30 48.5 64	50 55	PC	IMAGE	P5	F336W		1	7200	2389	1	1
NGC1569	4 30 48.5 64	1 5Ø 55	PC	IMAGE	P5	F439W		1	2400	2389	1	1
NGC1589	4 30 48.5 64	5Ø 55	PC	IMAGE	P5	F547M		1	1600	2389	1	1
NGC1589	4 30 48.5 64	5Ø 55	PC	IMAGE	P5	F814W		1	125	2389	1	1
VB86	4 30 57.1 10	9 45 7	HRS	ACCUM	Ø.25	G27ØM	2498	1	1500	2634	· <b>1</b>	1
STEIN-2051-B	4 31 2.0 59	Ø 16	FOS/RD	ACCUM	1.0	G27ØH	2700	1	600	2593	2	1
STEIN-2051-B	4 31 2.0 59	Ø 16	F0S/RD	ACCUM	1.0	G19ØH	1944	1	900	2593	2	1
V927TAU	4 31 25.9 24		PC	IMAGE	ALL	F875M		1	1Ø	2265	2	1
ннзø		3 12 25	PC	IMAGE	P6	F673N		1	5000	2648	1	1
ннзө		3 12 25	PC	IMAGE	P6	F791W		1	400	2648	1	1
ннзө		3 12 25	PC	IMAGE	P6	F631N		1	2700	2648	1	1
HKTAU		23 46	PC	IMAGE	ALL	F875M		1	3Ø	2265	2	1
V71ØTAU-A		3 2Ø 58	PC	IMAGE	ALL	F875M		1	6	2265	2	1
V71ØTAU-B	. – –	20 58	PC	IMAGE	ALL.	F875M		1	26	2265	2	1
Ø42916+17		7 56 44	PC	IMAGE	ALL	F875M		1	4	2265	2	1
V827TAU		3 19 36	PC	IMAGE	ALL	F875M		1	3	2265	2	1
V826TAU V826TAU	4 32 17.1 18		PC	IMAGE IMAGE	ALL ALL	F547M F875M		1 1	5 Ø	2265 2265	1	1
V828TAU	4 32 17.1 18 4 32 17.1 18		PC PC	IMAGE		F875M		1	3	2265	1 1	1
V826TAU	4 32 17.1 18 4 32 17.1 18		PC	IMAGE	ALL ALL	F875M		1	35Ø	2265	1	1 1
V826TAU	4 32 17.1 18		PC	IMAGE	ALL	F547M		1	SSE Ø	2265	1	i
HZ-9		7 44 20	HRS	ACCUM	2.0	G14ØL	1288		1200	2593	2	i
GGTAU		7 31 2	PC	IMAGE	ALL	F875M	1200	i	3	2265	2	i
UZTAU-E		5 52 Ø	PC	IMAGE	ALL	F622W		ī	2	2265	ī	i
UZTAU-E		5 52 Ø	PC	IMAGE	ALL	F631N		ī	100	2265	i	ī
UZTAU-E		5 52 Ø	PC	IMAGE	ALL	F875M		ī	Ø	2265	ī	ī
UZTAU-E	4 32 43.7 25		PC	IMAGE	ALL	F875M		1	4	2265	ī	ī
UZTAU-E	4 32 43.7 25	5 52 Ø	PC	IMAGE	ALL	F875M		1	100	2265	1	1
UZTAU-E	4 32 43.7 25	5 52 Ø	PC	IMAGE	ALL	F631N		1	28	2265	1	1
UZTAU-W	4 32 43.7 25	5 52 Ø	PC	IMAGE	ALL	F875M		1	26	2265	2	1
GHTAU	4 33 7.0 24	9 2	PC	IMAGE	ALL	F875M		1	4	2265	2	1
V83ØTAU		33 11	PC -	IMAGE	ALL	F875M		1	4	2265	2	1
3C12Ø	4 33 11.2 5	21 15	FGS	TRANS	1	F55ØW		1	586	2443	1	1
3C12Ø	4 33 11.2 5	5 21 15	FGS	TRANS	1	F583W		1	586	2443	1	1
3C12Ø			FGS	TRANS	1	F65ØW		1	586	2443	1	1
GKTAU-FIELD		21 12	PC	IMAGE	P7	F791W		1	Ø	2799	1	3
GKTAU-FIELD		21 12	PC	IMAGE	P7	F439W		1	1	2799	1	1
GITAU	4 33 34.8 24		PC	IMAGE	ALL	F875M		1	7	2265	2	1
GKTAU	4 33 35.3 24		PC	IMAGE	ALL	F875M		1	4	2265	2	1
ISTAU	4 33 37.5 26	_	PC	IMAGE	ALL	F875M		1	16	2265	2	1
DLTAU		20 7	PC	IMAGE	ALL	F875M		1	8	2265	2	1
HNTAU-A	4 33 40.7 17		PC	IMAGE	ALL	F875M		1	26	2265	2	1
DMTAU	4 33 50.0 18		PC	IMAGE	ALL	F875M		1	14	2265	2	1
CITAU HD28992		2 49 59	PC	IMAGE	ALL	F875M	1522	1	8 2100	2265 2485	2	1
HD28992	. 0. 00 10		HRS	ACCUM	Ø.25	G14ØL	1533 1303	1 1	3675	2485	1	1 1
AA-TAU		5 3Ø 16 1 28 53	HRS PC	ACCUM IMAGE	Ø.25 P8	G14ØL F439W	1363	1	1	2799	1	1
AN-INO	4 34 55.4 24	7 20 03	FC	TWVAE	1 0	1.40311		1	1	£133	1	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
AA-TAU	4 34 55.4	24 28 53	PC	IMAGE	P8	F791W		1	ø	2799	1		<b>3</b>
AATAU	4 34 56.2	24 28 21	PC	IMAGE	ALL	F547M		1	10	2265	1		1
AATAU	4 34 56.2		PC	IMAGE	ALL	F875M		1	1	2265	1		1
DATAU	4 34 56.2		PC	IMAGE	ALL	F875M		1	6	2265	1		1
AATAU	4 34 56.2		PC	IMAGE	ALL	F875M		1	400	2265	1		1
AATAU	4 34 56.2		PC	IMAGE	ALL	F547M		1	1	2265	1		1
Ø4323Ø+17	4 35 25.8		PC	IMAGE	ALL	F875M		1	1Ø	2265	2		1
DN-TAU	4 35 27.4		PC	IMAGE	P8	F439W		1	Ø	2799	1		1
DN-TAU	4 35 27.4		PC	IMAGE	P8	F791W		1	Ø	2799	1		3
DNTAU	4 35 28.1		PC	IMAGE	ALL	F547M		1	Ø	2265	1		. 1
DNTAU	4 35 28.1		PC	IMAGE	ALL	F547M		1	6	2265	1		1
DNTAU	4 35 28.1		PC	IMAGE	ALL	F875M		1	Ø	2265	1		1
DNTAU	4 35 28.1 4 35 28.1		PC PC	IMAGE	ALL	F875M		1	4	2265	1		1
DNTAU HPTAU	4 35 53.5			IMAGE	ALL	F875M		1	400	2265	1		1
HPTAU-G2	4 35 54.8		PC PC	IMAGE	ALL	F875M		1	6	2265	2		1
DOTAU	4 38 29.3		PC	IMAGE IMAGE	ALL ALL	F875M		1	1	2265	2		1
VYTAU	4 39 18.1		PC	IMAGE	ALL	F875M		1	12	2265	2		1
LK-CA-15	4 39 18.5		PC	IMAGE	ALL	F875M F875M		1 1	1Ø 4	2265 2265	2		1 1
WDØ437+138	4 40 6.8		PC	IMAGE	P8	F555W		1	2	2579	1		1
WDØ437+138	4 40 6.8		PČ	IMAGE	P5	F439W		1	8	2579	1		1
WDØ437+138	4 40 6.8		PČ	IMAGE	P5	F555W		i	2	2579	i		i
WDØ437+138	4 40 6.8		PČ	IMAGE	P6	F336W		i	18	2579	î		i
WDØ437+138	4 40 6.8		PC	IMAGE	P6	F555W		î	2	2579	i		î
WDØ437+138	4 40 6.8		PC	IMAGE	P7	F336W		ī	17	2579	i		ī
WDØ437+138	4 40 6.8	13 57 56	PC	IMAGE	P7	F555W		ī	2	2579	ī		ī
WDØ437+138	4 40 6.8	13 57 56	PC	IMAGE	P8	F336W		1	7	2579	1		ī
WDØ437+138	4 40 6.8	13 57 56	PC	IMAGE	P8	F439W		1	4	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P6	F785LP		1	13	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P8	F785LP		1	13	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P5	F336W		1	19	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P6	F439W		1	9	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P7	F439W		1	6	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P5	F785LP		1	13	2579	1		1
WDØ437+138	4 40 6.8		PC	IMAGE	P7	F785LP		1	15	2579	1		1
LMC-SMP2-PCPOS	4 40 58.0		PC BC	IMAGE	P8	F487N		1	3Ø	2266	1		1
LMC-SMP2-PCPOS LMC-SMP2-PCPOS	4 4Ø 58.Ø 4 4Ø 58.Ø		PC PC	IMAGE	P8	F547M		1	3Ø	2266	1	4.00	1
LMC-SMP2	4 40 59.0		PC FOS /BI	IMAGE	P8	F5Ø2N	1000	1	150	2266	1	ACQ	1
LMC-SMP2		-67 47 51 <b>*</b>	•	ACCUM ACCUM	1.Ø 1.Ø	G13ØH	1300		1200	2266	2		1
LMC-SMP2-OFFSET		-67 47 51	FOS/BL	ACQ/BINA	_	G19ØH Mirror	1900	1	320	2266	2	ACO	1
LK-CA-18	4 41 5.4		PC	IMAGE	ALL	F875M		1 1	27 4	2266 2265	2	ACQ	1 1
PKSØ439-433		-43 13 28	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	i
PKSØ439-433	4 41 16.2		FOS/RD	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	1
PKSØ439-433		-43 13 28	FOS/BL	ACCUM	1.0	G16ØL	1837	i	534	2424	3	ned	ī
PKSØ439-433		-43 13 28	FOS/RD	ACCUM	1.0	G27ØH	2753	i	5Ø4	2424	3		i
PKSØ439-433		-43 13 28	FOS/RD	ACCUM	1.0	G19ØH	1980	_	1476	2424	3		ī
V955TAU	4 42 8.5		PC	IMAGE	ALL	F875M	2000	1	16	2265	2		i
LMC-SMP3-PCP0S		-66 12 59	PC	IMAGE	P8	F487N		i	20	2266	ī		ī
LMC-SMP3-PCP0S	4 42 25.0		PC	IMAGE	P8	F547M		ī	2ø	2266	ī		ī
LMC-SMP3-PCP0S	4 42 25.0		PC	IMAGE	P8	F5Ø2N		ī	40	2266	ī	ACQ	ī
LMC-SMP3	4 42 25.0	-66 12 56*	FOS/RD	ACCUM	1.0	G19ØH	1900	ī	8ø	2266	2		ī
•			•					-			_		

Target	RA (2000)	Ins Dec(2000) Cor	t. Operating fig. Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
LMC-SMP3	4 42 25.0			1.0	G13ØH	1300	1	28Ø	2266	2		1
LMC-SMP3-OFFSET DPTAU	4 42 25.0		BL ACQ/BINA		MIRROR		1	27	2266	2	ACQ	1
GOTAU	4 42 38.4 4 43 3.8		IMAGE IMAGE	ALL ALL	F875M F875M		1	18	2265	2		1
DQTAU	4 46 54.4		IMAGE	ALL	F875M		1 1	. 2Ø 8	2265 2265	2		1
HAR06-37	4 47 Ø.3	17 2 Ø PC	IMAGE	ALL	F875M		1	7	2265	2		1
HARO6-37C	4 47 Ø.5		IMAGE	ALL	F875M		1	23	2265	2		1
DRTAU	4 47 7.5		IMAGE	ALL	F622W		ī	ø	2265	ī		ī
DRTAU	4 47 7.5		IMAGE	ALL	F631N		ĩ	1ø	2265	ī		ī
DRTAU	4 47 7.5	16 58 5 PC	IMAGE	ALL	F631N		1	7ø	2265	ī		ī
DRTAU	4 47 7.5	16 58 5 PC	IMAGE	ALL	F875M		1	Ø	2265	1		1
DRTAU	4 47 7.5	16 58 5 PC	IMAGE	ALL	F875M		1	3	2265	1		1
DRTAU	4 47 7.5		IMAGE	ALL	F875M		1	140	2265	1		1
DSTAU	4 47 49.0		IMAGE	ALL	F875M		1	4	2265	2		1
1EØ447-Ø917	4 49 32.9		IMAGE	ALL	F555W		1	2ØØ	235Ø	1		1
1EØ447-Ø917	4 49 32.9		IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1
LMC-SMP8		-69 34 28* F03		1.0	G13ØH	1300	1	42Ø	2266	2		1
LMC-SMP8	4 50 13.0			1.0	G19ØH	1900	1	110	2266	2		1
LMC-SMP8-OFFSET			BL ACQ/BINA		MIRROR		1	44	2266	2	ACQ	1 .
LMC-SMP8-PCPOS LMC-SMP8-PCPOS	4 50 13.0 4 50 13.0	-69 34 14 PC -69 34 14 PC	IMAGE IMAGE	ALL ALL	F487N F547M		1	320	2266	1		1
LMC-SMP8-PCPOS	4 50 13.0		IMAGE	ALL	F5Ø2N		1 1	190 140	2266 2266	1	4.00	. 1
UYAUR	4 51 47.9		IMAGE	ALL	F631N		1	100	2265	1	ACQ	1
UYAUR	4 51 47.9		IMAGE	ALL	F875M		i	Ø	2265	1		1
UYAUR	4 51 47.9		IMAGE	ALL	F875M		ī	4	2265	î		î
UYAUR	4 51 47.9		IMAGE	ALL	F875M		ī	100	2265	ī		ī
UYAUR	4 51 47.9		IMAGE	ALL	F622W		1	1	2265	ī		ĭ
UYAUR	4 51 47.9	3Ø 46 27 PC	IMAGE	ALL.	F631N		1	16	2265	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F336W		1	200	2389	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F336W		1	8ØØ	2389	1		1
NGC17Ø5	4 54 13.5		IMAGE	P5	F439W		1	8Ø	2389	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F547M		1	60	2389	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F439W		1	32Ø	2389	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F547M		1	240	2389	1		1
NGC17Ø5		-53 21 41 PC	IMAGE	P5	F814W		1	18	2389	1		1
NGC17Ø5 HDØ31237	4 54 13.5 4 54 15.1	-53 21 41 PC 2 26 26 HRS	IMAGE WSCAN	P5 Ø.25	F814W ECH-A	1159	1	72 05	2389	1		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1548	1 1	25 26	2251 2251	2		1
HDØ31237	4 54 15.1	2 26 28 HRS		Ø.25	ECH-B	1744	i	57	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-B	1807	i	38	2251	2		î
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1547	ī	26	2251	2		î
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1548	ī	26	2251	2		ī
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1122	ī	33	2251	2		ī
HDØ31237	4 54 15.1	2 26 26 HRS	WSCAN	Ø.25	ECH-A	1303	1	31	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS	WSCAN	Ø.25	ECH-B	237Ø	1	2Ø	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-B	2323	1	12	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1251	1	10	2251	2		2
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1252	1	10	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1192	1	28	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1279	1	25	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS		Ø.25	ECH-A	1334	1	12	2251	2		1
HDØ31237	4 54 15.1	2 26 26 HRS	ACCUM	Ø.25	ECH-A	1333	1	12	2251	2		2

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Tota Line	
HDØ31237	4 54 15.1	2 26 26	HRS	ACCUM	Ø.25	ECH-B	2324	1	12	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	ACCUM	Ø.25	ECH-B	2325	1	12	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-B	1827	1	45	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-B	2058	1	31	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-A	1240	1	40	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-A	1357	1	63	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-A	1391	1	73	2251	2			1
HDØ31237	4 54 15.1	2 26 26	HRS	WSCAN	Ø.25	ECH-B	2025	1	31	2251	2			1
GMAUR	4 55 11.5	30 21 13	PC	IMAGE	ALL	F875M		1	4	2265	2			1
Q0453-423	4 55 24.0	-41 57 26	WFC	IMAGE	ALL	F194W		1	1600	2592	1			5
Q0453-423	4 55 24.0	-41 57 26	WFC	IMAGE	ALL	F284W		1	1100	2592	1			5
Q0453-423	4 55 24.0	-41 57 26	WFC	IMAGE	ALL	F648M		1	1600	2592	1			5
Q0453-423	4 55 24.0	-41 57 26	WFC	IMAGE	ALL	F664N		1	1600	2592	1			5
Ø45226+3Ø	4 55 37.5	30 17 9	PC	IMAGE	ALL	F875M		1	2	2265	2			1
ABAUR	4 55 46.5	30 32 17	PC	IMAGE	ALL	F875M		1	Ø	2265	2			1
SUAUR	4 55 59.8	30 33 15	PC	IMAGE	ALL	F875M		1	Ø	2265	2			1
Ø45251+3Ø	4 56 2.6	30 20 17	PC	IMAGE	ALL	F875M		1	2	2265	2			ī
PKSØ454-22	4 56 8.9	-21 59 9	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ		ī
PKSØ454-22	4 56 8.9	-21 59 9	FOS/BL	ACCUM	1.0	G16ØL	1837	1	300	2424	2			1
PKSØ454+Ø39	4 56 47.1	4 Ø 53	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ		1
PKSØ454+Ø39	4 56 47.1	4 Ø 53	FOS/BL	ACCUM	1.0	G16ØL	1837	1	798	2424	3			ī
INCA221-31	5 Ø 43.Ø	84 34 29	FGS	POS	2	F583W		1	51	286Ø	1			2
SK-85D21	5 1 22.3	-65 41 48	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	17Ø	2233	1			1
SK-65D21	5 1 22.3	-65 41 48	HRS	ACCUM	Ø.25	G14ØL	1625	1	664	2233	1			1
V836TAU	5 3 7.3	25 22 48	PC	IMAGE	ALL	F875M		1	7	2265	1			ī
V836TAU	5 3 7.3	25 22 48	PC	IMAGE	ALL	F875M		ī	400	2265	1			1
V836TAU	5 3 7.3	25 22 48	PC	IMAGE	ALL	F547M		1	12	2265	1			ī
V836TAU	5 3 7.3	25 22 48	PC	IMAGE	ALL	F875M		1	1	2265	1			1
V836TAU	5 3 7.3	25 22 48	PC	IMAGE	ALL	F547M		1	1	2265	1			1
LMC-SMP2Ø	5 4 37.0	-69 21 54*	FOS/BL	ACCUM	1.Ø	G13ØH	1300	1	182Ø	2266	2			1
LMC-SMP2Ø	5 4 37.0	-69 21 54*	FOS/RD	ACCUM	1.0	G19ØH	1900	1	490	2266	2			1
LMC-SMP2Ø-OFFSET	5 4 37.Ø	-69 21 54	FOS/BL	ACQ/BINA	4.3	MIRROR		1	44	2266	2	ACQ		1
LMC-SMP2Ø-PCPOS	5 4 39.0	-69 21 47	PC :	IMAGE	P8	F547M		1	1000	2266	1	•		1
LMC-SMP2Ø-PCPOS	5 4 39.0	-69 21 47	PC	IMAGE	P8	F5Ø2N		1	9ØØ	2266	1	ACQ		1
LMC-SMP2Ø-PCPOS	5 4 39.0	-69 21 47	PC	IMAGE	P8	F487N		1	1200	2266	1	•		1
SK-7ØD69	5 5 18.8	-70 25 50	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	513	2233	1			1
SK-7ØD69	5 5 18.8	-70 25 50	HRS	ACCUM	Ø.25	G14ØL	1625	1	2Ø39	2233	1			1
SK-68D41	5 5 27.2	-68 10 3	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	188	2233	1			1
SK-68D41	5 5 27.2	-68 10 3	HRS	ACCUM	Ø.25	G14ØL	1625	1	759	2233	1			1
G191-B2B	5 5 30.0	52 48 48	HRS	ACCUM	Ø.25	MIRROR-N1		1	Ø	2536	1			2
G191-B2B	5 5 30.0	52 48 48	HRS	ACCUM	Ø.25	ECH-A	1198	4	600	2536	1			1
G191-B2B	5 5 30.0	52 48 48	HRS	ACCUM	Ø.25	ECH-A	1198	1	95Ø	2536	1			1
G191-B2B	5 5 30.0	52 48 48	HRS	ACCUM	Ø.25	G14ØM	1203	2	512	2536	1			1
G191-B2B	5 5 3Ø.Ø	52 48 48	HRS	ACCUM	Ø.25	ECH-A	1188	3	595	2536	1			1
LMC-SMP25	5 6 21.7	-69 3 8	PC	IMAGE	ALL	F5Ø2N		1	40	2263	1	SEL F	PAR	1
LMC-SMP25	5 6 21.7	-69 3 8	PC	IMAGE	ALL	F547M		1	8Ø	2263	1	SEL F		1
LMC-SMP25	5 6 21.7	-69 3 8	WFC	IMAGE	ALL	F487N		1	400	2263	1	SEL F		1
LMC-SMP25	5 6 21.7	-69 3 8	WFC	IMAGE	ALL	F547M		1	20	2263	1	SEL F		1
LMC-SMP25	5 6 21.7		WFC	IMAGE	ALL	F656N		1	70	2263	ī	SEL F		ī
LMC-SMP25	5 6 21.7	-69 3 8	WFC	IMAGE	ALL	F658N		1	2000	2263	1	SEL F		1
LMC-SMP25	5 6 21.7	-69 3 8	WFC	IMAGE	ALL	F658N		1	3000	2263	1	SEL F		1
LMC-SMP25	5 6 21.7		WFC	IMAGE	ALL	F5Ø2N		1	3Ø	2263	1	CON		1
											_	PAR		

Target	RA(2000) Dec	:(2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
LMC-SMP25	5 6 21.7 -69	38	WFC	IMAGE	ALL	F487N		1	35ø	2263		CEI	040 4
LMC-SMP25	5 6 21.7 -69		WFC	IMAGE	ALL	F656N		1	120	2263	1 1	SEL SEL	
POINTØ454+844INCA221		43 57	S/C	POINTING		1 00011		i	Ø	2860	i	JLL	1
-31			0,0	1 02/11/2/10				-	•		•		•
Ø5Ø4+Ø3Ø	5 7 36.5 3	7 52	PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
Ø5Ø4+Ø3Ø	5 7 36.5 3	7 52	PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
Ø454+844INCA221-31	5 8 42.5 84	32 4	FGS	POS	2	F583W		1	51	286Ø	1		3
LMC-N1Ø3B	5 8 59.1 -68		FOS/RD	ACQ/PEAK	1.Ø-PAIR	MIRROR		1	10	2290	1	ACQ	1
LMC-N1Ø3B		43 34	FOS/RD	ACCUM	1.Ø-PAIR	G19ØH	1900		1900	2290	1		1
LMC-N1Ø3B	5 8 59.1 -68		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1300		1500	2290	1		1
HD33328		45 15	HRS	RAPID	2.0	G2ØØM	1829	1	70	2544	1		5
HD33328		45 15	HRS	ACCUM	Ø.25	ECH-A36	1549	1	138	24Ø3	1		1
HD33328		45 15	HRS	ACCUM	Ø.25	ECH-A4Ø	1400	1	138	24Ø3	1		1
HD33328 HD33328		45 15	HRS HRS	ACCUM	Ø.25	ECH-A45	1240	1 1	127	24Ø3 24Ø3	1		1
HD33328		45 15 45 15	HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A45 ECH-A40	1258 1391	1	116 169	2403	1		1
HD33328		45 15	HRS	ACCUM	Ø.25 Ø.25	ECH-A47	1197	i	74	2403	1		1
HD33328	<del>-</del>	45 15	HRS	ACCUM	Ø.25	ECH-A47	1204	ī	117	2403	1		i
Ø5Ø9-67.5		31 17	WFC	IMAGE	ALL	F856N	220 (		2500	2355	ī		ī
LMC-SMP35	5 10 48.0 -65			ACCUM	1.0	G13ØH	1300	ī	500	2266	2		ī
LMC-SMP35	5 10 48.0 -65			ACCUM	1.0	G19ØH	1900	1	13Ø	2266	2		ī
LMC-SMP35-OFFSET	5 10 48.0 -65	29 58	FOS/BL	ACQ/BINA	4.3	MIRROR		1	109	2266	2	ACQ	1
LMC-SMP35-PCPOS	5 10 49.0 -65	29 45	PC	IMAGE	ALL	F487N		1	45Ø	2266	1	·	1
LMC-SMP35-PCPOS		29 45	PC	IMAGE	ALL	F547M		1	43Ø	2266	1		1
LMC-SMP35-PCPOS	5 10 49.0 -65		PC	IMAGE	ALL	F5Ø2N		1	140	2266	1	ACQ	1
NGC1866	5 13 15.2 -65		WFC	IMAGE	ALL	F555W		1	100	2227	1		1
NGC1866	5 13 15.2 -65		WFC	IMAGE	ALL	F555W			1000	2227	1		1
NGC1868	5 13 15.2 -65		WEC	IMAGE	ALL	F785LP		1	100	2227	1		1
NGC1866 ES0-Ø514-37Ø9	5 13 15.2 -65 5 16 38.9 -37		WFC WFC	IMAGE IMAGE	ALL	F785LP		1 1	1000 300	2227 2775	1		1
ES0-Ø514-37Ø9	5 16 38.9 -37		WFC	IMAGE	ALL ALL	F555W F785LP		i	300	2775	1		1
LMC-SMP45-PCPOS	5 19 22.0 -66		PC	IMAGE	P8	F547M			1000	2266	1		1
LMC-SMP45-PCPOS	5 19 22 0 -66		PC	IMAGE	P8	F487N			1100	2266	i		1
LMC-SMP45-PCPOS		58 9	PC	IMAGE	P8	F5Ø2N		ī	59Ø	2266	i	ACQ	î
LMC-SMP45	5 19 23.Ø -66			ACCUM	1.0	G13ØH	1300	ī	84Ø	2266	2	,,,,,	ī
LMC-SMP45	5 19 23.Ø -66		•	ACCUM	1.0	G19ØH	1900	ī	23Ø	2266	2		1
LMC-SMP45-OFFSET	5 19 23.0 -66	58 10	FOS/BL	ACQ/BINA	4.3	MIRROR		1	27	2266	2	ACQ	1
PICTORA	5 19 49.8 -45	46 45	PC '	IMÄGE	ALL	F23ØW		1	35ØØ	2456	1	•	1
PICTORA	5 19 49.8 -45	46 45	PC	IMAGE	ALL	F487N		1	3500	2456	1		1
PICTORA	5 19 49.8 -45	46 45	PC	IMAGE	ALL	F517N		1	3500	2456	1		1
PICTORA	5 19 49.8 -45		PC	IMAGE	ALL	F675W		_	3500	2456	1		1
PICTORA	5 19 49.8 -45		PC	IMAGE	ALL	F785LP			3400	2456	1		1
PICTORA	5 19 49.8 -45		WFC	IMAGE	ALL	G2ØØL		_	35ØØ	2456	1		1
LMC-SMP47	5 19 53.Ø -69		•	ACCUM	1.0	G19ØH	1900	1	7Ø	2266	2		1
LMC-SMP47	5 19 53.Ø -69			ACCUM	1.0	G13ØH	1300	1	22Ø	2266	_		1
LMC-SMP47-OFFSET		3Ø 57	FOS/BL	ACQ/BINA	4.3	MIRROR		1	27	2266	2	ACQ	1
LMC-SMP47-PCPOS	5 19 54.Ø -69		PC	IMAGE	P8	F547M		1	100	2266	1	4.00	1
LMC-SMP47-PCPOS LMC-SMP47-PCPOS	5 19 54.Ø -69		PC	IMAGE	P8	F5Ø2N		1	30	2266	1	ACQ	1
LMC-J28	5 19 54.0 -69 5 20 0.7 -69		PC WFC	IMAGE IMAGE	P8	F487N		1 1	12Ø 2Ø	2266 2263	1	PAR	1 1
LMC-J26	5 20 Ø.7 -69 5 20 Ø.7 -69		WFC	IMAGE	ALL ALL	F547M F5Ø2N		1	260	2263	1	PAR	1
3C138.Ø		38 21	PC	IMAGE	ALL	F6Ø6W		1	8ØØ	2488			1
00100.0	0 21 31.0 10	. JO 21		TWVG	ALL	1 ODON		-	000	4700	-		_

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID		Spec.	Total Lines
	(	000(2000)	g.		npor our o	Liemony	nave.	CXP.	111110	10	Cy.	Req.	Lines
3C138.Ø	5 21 31.5	16 38 21	PC	IMAGE	ALL	F664N		1	1800	2488	1		1
HD35149	5 22 49.9	3 32 40	HRS	RAPID	2.0	G2ØØM	1829	ī	70	2544	ī		5
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1159	i	58	2251	ī		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-B	1807	i	89	2251	ī		i
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-B	1744	î	132	2251	i		i
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1548	1	62	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	2324	i	28	2251	i		2
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1122	1	77	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1303	1	74	2251	i		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	46	2251			1
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A		1	62	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1547	_	62	2251	1		
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	1548	1			1		1
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	2323	1	28	2251	1		3
HDØ35149	5 22 5Ø.Ø	3 32 40	HRS	WSCAN	Ø.25 Ø.25	ECH-A	2325	1	28	2251	1		2
HDØ35149	5 22 50.0 5 22 50.0	3 32 40	HRS	WSCAN	Ø.25 Ø.25		1192	1	66	2251	1		1
HDØ35149	5 22 50.0 5 22 50.0	3 32 40	HRS	WSCAN		ECH-B	1827	1	105	2251	. 1		1
HDØ35149	5 22 50.0 5 22 50.0	3 32 40	HRS		Ø.25	ECH-A	1279	1	58	2251	1		1
HDØ35149	5 22 50.0 5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1251	1	24	2251	1		2
				ACCUM	Ø.25	ECH-A	1252	1	24	2251	1		1
HDØ35149	5 22 50.0 5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1334	1	29	2251	1		1
HDØ35149		3 32 40	HRS	ACCUM	Ø.25	ECH-A	1333	1	29	2251	1		2
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	2324	1	28	2251	1		2
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	2323	1	28	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	2325	1	28	2251	1		2
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-B	2058	1	74	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1240	1	93	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1357	1	148	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-A	1391	1	171	2251	1		1
HDØ35149	5 22 50.0	3 32 40	HRS	WSCAN	Ø.25	ECH-B	2025	1	74	2251	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1240	1	48Ø	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	0.25	ECH-A	1335	1	120	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1402	1	200	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1253	1	200	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1259	1	200	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1393	1	200	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-B	1858	1	100	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1206	1	48Ø	2584	1		1
HD35149	5 22 50.0	3 32 40	HRS	ACCUM	Ø.25	ECH-A	1549	1	18Ø	2584	1		1
PKSØ521-365	5 22 57.9		PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
PKSØ521-365	5 22 57.9		PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
SNRØ525-69.6	5 25 2.5		PC	IMAGE	ALL	F492M		1	2300	2292	1		1
SNRØ525-69.6	5 25 2.5		PC	IMAGE	ALL	F547M		1	26Ø	2292	1		1
SNRØ525-69.8	5 25 2.5		WFC	IMAGE	ALL	F492M		1	400	2292	1		1
SNRØ525-89.8	5 25 2.5		WFC	IMAGE	ALL	F547M		1	100	2292	1		1
SNRØ525-69.6	5 25 2.5		WFC	IMAGE	ALL	F631N		1	1000	2292	1		1
SNRØ525-69.6		-69 38 31	WFC	IMAGE	ALL	F673N		1	700	2292	1		1
SNRØ525-69.6	5 25 2.5		WFC	IMAGE	ALL	F375N		1	1500	2292	1		1
SNRØ525-69.6	5 25 2.5		WFC	IMAGE	ALL	F487N		1	1500	2292	1		1
FIELD-052600-660436	5 26 Ø.2	-66 4 36	F0C/48	IMAGE	512X1Ø24	F22ØW		1	900	2378	1		2
FIELD-Ø526ØØ-66Ø436	5 26 Ø.2	-66 4 36	F0C/48	IMAGE	512X1Ø24	F342W		ī	900	2378	1		2
FIELD-Ø526ØØ-66Ø436	5 26 Ø.2	-66 4 36	F0C/48	IMAGE	512X1Ø24	F22ØW		1	900	2378	2		ī
FIELD-052600-660436	5 26 Ø.2	-66 4 36	F0C/48	IMAGE	512X1Ø24	F342W		ī	900	2378	2		ĩ
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Target	RA (2000) Dec	(2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	Spec. Req.	Total Lines
FIELD-Ø526ØØ-66Ø436	5 26 Ø.2 -66	4 36	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1Ø8Ø	2378	2		2
LMC-A4-PCPOS			PC	IMAGE	ALL	F547M		ī	1000	2266	ī		ĩ
LMC-A4-PCPOS		37 36	PC	IMAGE	ALL	F5Ø2N		1	1500	2266	1	ACQ	ĩ
LMC-A4	5 26 49.0 -64	37 12*	FOS/BL	ACCUM	1.0	G13ØH	1300	1	2500	2266	2		ī
LMC-A4	5 26 49.0 -64			ACCUM	1.0	G19ØH	1900	1	1400	2266	2		ī
LMC-A4-OFFSET	5 26 49.0 -64	37 12	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2266	2	ACQ	ĩ
SK-66D1ØØ	5 27 45.5 -86	55 15	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	3Ø1	2233	1	•	1
SK-66D1ØØ	5 27 45.5 -66	55 15	HRS	ACCUM	Ø.25	G14ØL	1625	1	1199	2233	1		1
G97-42-CALIB	5 28 Ø.1 S	38 39	PC	IMAGE	ALL	F622W		1	Ø	2265	1	CAL	1
G97-42-CALIB	5 28 Ø.1 9	38 39	PC	IMAGE	ALL	F631N		1	7Ø	2265	1	CAL	1
G97-42-CALIB		38 39	PC	IMAGE	ALL	F631N		1	12	2265	1	CAL	1
G97-42-CALIB	5 28 Ø.1 S	38 39	PC	IMAGE	ALL	F875M		1	Ø	2265	1	CAL	1
G97-42-CALIB	5 28 Ø.1 S	38 39	PC	IMAGE	ALL	F875M		1	120	2265	1	CAL	1
G97-42-CALIB	5 28 Ø.1 S		PC	IMAGE	ALL	F875M		1	1	2265	1	CAL	1
LMC-SMP72	5 30 42.0 -70		FOS/BL	ACCUM	1.0	G13ØH	1300	1	2000	2266	2		1
LMC-SMP72	5 30 42.0 -70		FOS/RD	ACCUM	1.0	G19ØH	1900	1	54Ø	2266	2		-1
LMC-SMP72-OFFSET	5 30 42.0 -70		FOS/BL			MIRROR		1	17	2266	2	ACQ	1
LMC-SMP72-PCPOS	5 30 44.0 -70		PC	IMAGE	ALL	F547M		1	1000	2266	1		1
LMC-SMP72-PCPOS	5 30 44.0 -70		PC	IMAGE	ALL	F5Ø2N		1	1500	2266	1	ACQ	1
SK-67D166	5 31 44.3 -67		HRS	ACCUM	Ø.25	G14ØL	135Ø	1	99	2233	1		1
SK-67D166	5 31 44.3 -67		HRS	ACCUM	Ø.25	G14ØL	1625	1	369	2233	1		1
SK-67D167		39 41	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	150	2233	1		1
SK-67D167		39 41	HRS	ACCUM	Ø.25	G14ØL	1625	1	594	2233	1		1
HD36512		18 5	HRS	RAPID	2.0	G2ØØM	1829	1	7Ø	2544	1		3
LMC-SMP76 LMC-SMP76	5 33 53.0 -67		FOS/RD	ACCUM	1.0	G19ØH	1900	1	7Ø	2266	1		1
LMC-SMP76-OFFSET			FOS/BL	ACCUM ACCURTNA	1.0	G13ØH Mirror	1300	1	27Ø	2266	1	4.00	1
LMC-SMP76-PCPOS	5 33 53.0 -67 5 33 55.0 -67	52 49 53 Ø	FOS/BL PC	ACQ/BINA IMAGE	4.3 ALL	F487N		1	11 8ø	2266 2266	1	ACQ	1
LMC-SMP76-PCPOS	5 33 55.Ø -67		PC.	IMAGE	ALL	F547M		1	80	2266	1		1
LMC-SMP76-PCPOS	5 33 55.Ø -67		PC	IMAGE	ALL	F5Ø2N		i	3Ø	2266	i	ACQ	1
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F547M		ī	900	2340	ī	Acd	i
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F5Ø2N		ī	1200	2340	1		i
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F656N		ī	1200	2340	ī		i
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F658N		ī	1200	2340	ī		i
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F664N		ī	1200	2340	ī		i
NGC1952-WFCN1	5 34 28.8 22		WFC	IMAGE	ALL	F673N		ī	1200	2340	ī		ī
NGC1952-F0CØ2	5 34 29.7 22		F0C/48	IMAGE	512X1Ø24	F275W	•	1	600	2340	1		ī
NGC1952-F0CØ2	5 34 29.7 22		F0C/48	IMAGE	512X1Ø24	F15ØW		1	1800	2340	1		ī
NGC1952-F0CØ2	5 34 29.7 22	Ø 35	F0C/48	IMAGE	512X1Ø24	F175W		1	1800	2340	1		1
NGC1952-WFCC1	5 34 32.7 22	1 4	WFC	IMAGE	ALL	F5Ø2N		1	900	2340	1		1
NGC1952-WFCC1	5 34 32.7 22	1 4	WFC	IMAGE	ALL	F656N		1	900	2340	1		1
NGC1952-WFCC1	5 34 32.7 22	1 4	WFC	IMAGE	ALL	F664N		1	900	2340	1		1
NGC1952-F0CØ1	5 34 32.8 22	2 11	F0C/48	IMAGE	512X1Ø24	F275W		1	6ØØ	2340	1		1
NGC1952-F0CØ1	5 34 32.8 22	2 11	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1800	234Ø	1		1
NGC1952-F0CØ1	5 34 32.8 22		F0C/48	IMAGE	512X1Ø24	F175W		1	1800	234Ø	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F5Ø2N		1	1800	2340	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F547M		1	1200	2340	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F656N		1	1440	2340	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F658N		1	1800	2340	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F664N		1	1800	2340	1		1
NGC1952-WFCS1	5 34 33.4 22		WFC	IMAGE	ALL	F673N		1	1800	2340	1		1
NGC1952-F0CØ3	5 34 34.2 21	59 50	F0C/48	IMAGE	512X1Ø24	F275W		1	600	234Ø	1		1

NCC1962-FOC683   S				T 0	·		•			_			
NGC1962-FOCG83 1	Target	RA (2000)	Dec (2000)			Aperture	Spectral Element	Central Wave.		•	ID	Spec. Cy. Req.	Total Lines
NGC1962-FOCG83 1	NGC1952-F0CØ3	5 34 34.2	21 59 50	F0C/48	IMAGE	512X1024	F150W		1	1 200	2340	1	1
TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 400 2595 1 2  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 400 2595 1 2  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 10 2595 1 1  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 10 2595 1 1  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 1 250 2595 1 1  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 1 250 2595 1 1  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 1 250 2595 1 1  TRAPEZIUN-653512-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 1 250 2595 1 1  TRAPEZIUN-653514-652 5 35 12.2 -5 23 38 PC IMAGE ALL FAISM 1 1 250 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 22 31 PC IMAGE ALL FAISM 1 1 400 2595 1 1  TRAPEZIUN-653514-652 5 35 14.4 -5 21 27 PC IMAGE ALL FAISM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• • • • • • • • •			•					_			_	
336 TRAPEZIUN-063612-062 S 36 12.2 -5 23 36 PC IMAGE ALL F413M 1 400 2595 1 2 336 TRAPEZIUN-063612-062 S 36 12.2 -5 23 36 PC IMAGE ALL F547M 1 10 2595 1 1 337 TRAPEZIUN-063612-062 S 36 12.2 -5 23 36 PC IMAGE ALL F647M 1 10 2595 1 1 338 TRAPEZIUN-063612-062 S 36 12.2 -5 23 36 PC IMAGE ALL F647M 1 10 2500 2595 1 1 338 TRAPEZIUN-063612-062 S 36 12.2 -5 23 36 PC IMAGE ALL F647M 1 10 2500 2595 1 1 338 TRAPEZIUN-063612-062 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1350 1 99 2233 1 1 348 SK-070211 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1350 1 99 2233 1 1 348 SK-070211 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1625 1 412 2233 1 1 348 SK-070211 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1625 1 412 2233 1 1 348 SK-070211 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1625 1 412 2233 1 1 348 SK-070211 S 36 13.9 -07 33 27 HRS ACCUM 0.25 G140L 1625 1 412 2233 1 1 349 TRAPEZIUN-063614-062 5 35 14.4 -5 22 31 PC IMAGE ALL F413M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 22 31 PC IMAGE ALL F413M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 22 31 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 22 31 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 22 31 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 1 340 TRAPEZIUN-063614-062 5 35 14.4 -5 21 27 PC IMAGE ALL F647M 1 10 2505 1 1 10 2505 1 1 1 340 TRAPEZIUN-063614	TRAPEZIUM-053512-052			•					_			_	
TRAPEZIUN-653512-052 5 35 12.2 -5 23 36 PC IMAGE ALL F647M 1 16 2595 1 1 1 1 336 1 336 PC IMAGE ALL F647M 1 1 6 2595 1 1 1 336 1 336 PC IMAGE ALL F647M 1 1 26 2595 1 1 336 PC IMAGE ALL F647M 1 1 260 2595 1 1 336 PC IMAGE ALL F647M 1 1 260 2595 1 1 336 PC IMAGE ALL F647M 1 1 260 2595 1 1 1 1 336 PC IMAGE ALL F647M 1 1 260 2595 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	336								_			_	_
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TRAPEZIUM-053514-052 5 35 14.4 -5 20 22 PC IMAGE ALL F875M 1 8 2595 1 1 021		0 30 14.4	-5 20 22	70	IMAGE	ALL	L8/PW		1	6	2595	1	1
TODETTIM GEOGRA OF DE AAA E OF DO DO THAT		5 35 1 <i>A A</i>	-5 20 22	PC	TMAGE	A1 I	EE 47M		•	250	0505	1	4
RAPEZIUM-053514-052 5 35 14.4 -5 20 22 PC IMAGE ALL F547M 1 250 2595 1 1 621		0 00 17.7	-0 20 22	. •	TWUAL		1 07 f m		1	200	2090	1	1
TRAPEZIUM-053514-052 5 35 14.4 -5 20 22 PC IMAGE ALL F875M 1 150 2595 1 1		5 35 14.4	-5 20 22	PC	IMAGE	ALL	F875M		1	150	2595	1	1
Ø21						-			-			-	-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Spec. Cy. Req.	Total Lines
TRAPEZIUM-Ø53516-Ø5 322	2 5 35 16.5	-5 23 23	PC	IMAGE	ALL	F547M		1	1	2595	1 ,	1
TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F413M		1	4Ø	2595	1	1
414 TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F413M		1	400	2595	1	2
414 TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F547M		1	10	2595	1	1
414 TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F875M		1	6	2595	1	1
414 TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F547M		1	25ø	2595	1	1
414 TRAPEZIUM-053517-05	2 5 35 17.4	-5 24 15	PC	IMAGE	ALL	F875M		1	15ø	2595	1	1
414 TRAPEZIUM-053518-05			PC	IMAGE	ALL	F413M		1	40	2595	1	_
511 TRAPEZIUM-Ø53518-Ø5	•		-					_				1
511			-	IMAGE	ALL	F413M		1	400		1	2
TRAPEZIUM-053518-05		<del>-</del> -	PC	IMAGE	ALL	F547M		1	1Ø	2595	1	1
TRAPEZIUM-053518-05 511	2 5 35 17.8	-5 25 12	PC	IMAGE	ALL	F875M		1	6	2595	1	1
TRAPEZIUM-053518-05	2 5 35 17.8	-5 25 12	PC	IMAGE	ALL	F547M		1	25Ø	2595	1	1
TRAPEZIUM-Ø53518-Ø5 511	2 5 35 17.8	-5 25 12	PC	IMAGE	ALL	F875M		1	15Ø	2595	1	1
TRAPEZIUM-Ø53518-Ø5	2 5 35 18.1	-5 21 26	PC	IMAGE	ALL	F413M		1	4Ø	2595	1	1
TRAPEZIUM-Ø53518-Ø5	2 5 35 18.1	-5 21 26	PC	IMAGE	ALL.	F413M		1	400	2595	1	2
TRAPEZIUM-Ø53518-Ø5	2 5 35 18.1	-5 21 26	PC	IMAGE	ALL	F547M		1	10	2595	1	1
TRAPEZIUM-053518-05	2 5 35 18.1	-5 21 26	PC	IMAGE	ALL	F875M		1	6	2595	1	1
125 TRAPEZIUM-Ø53518-Ø5	2 5 35 18.1	-5 21 26	PC	IMAGE	ALL	F547M		1	25Ø	2595	1	1
125 TRAPEZIUM-053518-05	2 5 35 18.1	-5 21 26	PC ·	IMAGE	ALL	F875M		1	15Ø	2595	1	1
125 TRAPEZIUM-053519-05	2 5 35 18.8	-5 22 30	PC	IMAGE	ALL	F413M		1	40	2595	1	1
229 TRAPEZIUM-053519-05	2 5 35 18.8	-5 22 30	PC	IMAGE	ALL	F413M		1	400	2595	1	2
229 Trapezium-053519-05	2 5 35 18.8	-5 22 30	PC	IMAGE	ALL	F547M		1	10	2595	1	1
229 TRAPEZIUM-Ø53519-Ø5	2 5 35 18.8	-5 22 30	PC	IMAGE	ALL	F875M		1	6	2595	1	1
229 TRAPEZIUM-053519-05	2 5 35 18.8	-5 22 30	PC	IMAGE	ALL	F547M		1	25Ø	2595	1	1
229 TRAPEZIUM-Ø53519-Ø5			PC	IMAGE	ALL	F875M		1	150		1	1
229 TRAPEZIUM-Ø53520-Ø5			_					_			_	_
338,	2 0 30 20.b	-5 23 38	PC	IMAGE	ALL	F413M		1	4Ø	2595	1	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
TRAPEZIUM-053520-052	5 35 20.5	-5 23 38	PC	IMAGE	ALL	F413M		1	400	2595	1	2
TRAPEZIUM-Ø5352Ø-Ø52	5 35 20.5	-5 23 38	PC	IMAGE	ALL	F547M		1	10	2595	1	1
TRAPEZIUM-053520-052 338	5 35 20.5	-5 23 38	PC	IMAGE	ALL	F875M		1	6	2595	1	1
TRAPEZIUM-053520-052	5 35 20.5	-5 23 38	PC	IMAGE	ALL	F547M		1	25Ø	2595	1	1
TRAPEZIUM-Ø5352Ø-Ø52 338	5 35 20.5	-5 23 38	PC .	IMAGE	ALL	F875M		1	15Ø	2595	1	1
TRAPEZIUM-053523-052 231				IMAGE	ALL	F413M		1	40	2595	1	1
TRAPEZIUM-Ø53523-Ø52 231				IMAGE	ALL	F413M		1	400	2595	1	2
TRAPEZIUM-Ø53523-Ø52 231				IMAGE	ALL	F547M		1	10	2595		1
TRAPEZIUM-Ø53523-Ø52 231				IMAGE	ALL	F875M		1	6	2595		1
TRAPEZIUM-053523-052 231 TRAPEZIUM-053523-052				IMAGE IMAGE	ALL	F547M		1	25Ø	2595		1
231 TRAPEZIUM-053524-052			PC	IMAGE	ALL ALL	F875M F413M		1	15Ø 4Ø	2595 2595	1	. 1 1
128 TRAPEZIUM-Ø53524-Ø52			1.7	IMAGE	ALL	F413M		1	400		1	2
128 TRAPEZIUM-Ø53524-Ø52			PC	IMAGE	ALL	F547M		1	10		1	1
128 TRAPEZIUM-Ø53524-Ø52			PC	IMAGE	ALL	F875M		1	8	2595		1
128 TRAPEZIUM-Ø53524-Ø52			PC	IMAGE	ALL	F547M		1	25Ø	2595	1	1
128 TRAPEZIUM-053524-052	5 35 23.8	-5 21 28	PC ·	IMAGE	ALL	F875M		1	150		1	1
128 LMC-SN1987A-STAR2	5 35 27.6	-69 16 10	FOS/BL	ACCUM	Ø.5-PAIR	G13ØH	1379	1	8ØØ	2563	1	1
LMC-SN1987A-STAR2		-69 16 10		ACCUM	Ø.5-PAIR	G19ØH	198Ø	1	600	2563	1	1
LMC-SN1987A-STAR2		-69 16 10	• •	ACCUM	Ø.5-PAIR	G27ØH	2753	1	300	2563	1	1
LMC-SN1987A-STAR2		-69 16 10	•	ACCUM	Ø.5-PAIR	G4ØØH	4Ø13	1	3ØØ	2563	1	1
LMC-SN1987A-STAR2	5 35 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5691	1	3ØØ	2563	1	1
LMC-SN1987A-STAR2		3 -69 16 1Ø	FOS/RD	ACCUM	Ø.5-PAIR	G78ØH	7758	1	300	2563	1	1
LMC-SN1987A	5 35 28.0	7 -69 16 11	PC	IMAGE	ANY	F487N		1	300	2563	1	3
LMC-SN1987A	5 35 28.0	-69 16 11	PC	IMAGE	ANY	F5Ø2N		1	300	2563	1	3
LMC-SN1987A	5 35 28.0	-69 16 11	PC	IMAGE	ANY	F658N		1	300	2563	1	3
LMC-SN1987A	5 35 28.0		PC	IMAGE	ANY	F487N		ī	300	2563	2	3
LMC-SN1987A	5 35 28.0		PC	IMAGE	ANY	F5Ø2N		i	300	2563	2	3
LMC-SN1987A		-69 16 11		IMAGE	ANY			_				3
						F658N		1	300	2563	2	
LMC-SN1987A	5 35 28.0		PC	IMAGE	ANY	F487N		1	300	2563	3	3
LMC-SN1987A		-69 16 11	PC	IMAGE	ANY	F5Ø2N		1	300	2563	3	3
LMC-SN1987A		69 16 11	PC	IMAGE	ANY	F658N		1 .	300	2563	3	3
LMC-SN1987A	5 35 28.0		PC	IMAGE	ANY	F648M		3	6Ø	2563	1	. 3
LMC-SN1987A	5 35 28.0	-69 16 11	PC	IMAGE	ANY	F7Ø2W		3	3Ø	2563	1	3
LMC-SN1987A	5 35 28.0	69 16 11	PC	IMAGE	ANY	F648M		3	6Ø	2563	2	3

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
LMC-SN1987A	5 35 28.0	5 -69 16 11	PC	IMAGE	ANY	F7Ø2W		3	3Ø	2563	2	3
LMC-SN1987A		69 16 11	PC	IMAGE	ANY	F648M		3	6Ø	2563	3	3
LMC-SN1987A		69 16 11	PC	IMAGE	ANY	F7Ø2W		3	3Ø	2563	3	3
LMC-SN1987A	5 35 28.0	6 -69 16 11	PC	IMAGE	ANY	F336W		5	6Ø	2563	1	3
LMC-SN1987A	5 35 28.0	69 16 11	PC	IMAGE	ANY	F439W		5	6Ø	2563	1	3
LMC-SN1987A	5 35 28.0	69 16 11	PC	IMAGE	ANY	F547M		5	6Ø	2563	1	3
LMC-SN1987A	5 35 28.6	7 -69 16 11	PC	IMAGE	ANY	F814W		5	3Ø	2563	1	3
LMC-SN1987A	5 35 28.9	69 16 11	PC	IMAGE	ANY	F336W		5	6Ø	2563	2	3
LMC-SN1987A	5 35 28.0	3 -69 16 11	PC	IMAGE	ANY	F439W		5	6Ø	2563	2	3
LMC-SN1987A	5 35 28.6	69 16 11	PC	IMAGE	ANY	F547M		5	6Ø	2563	2	3
LMC-SN1987A	5 35 28.6	<b>5</b> -69 16 11	PC	IMAGE	ANY	F814W		5	3Ø	2563	2	3
LMC-SN1987A		7 -69 16 11	PC	IMAGE	ANY	F336W		5	6Ø	2563	3	3
LMC-SN1987A		9 -69 16 11	PC	IMAGE	ANY	F439W		5	6Ø	2563	3	3
LMC-SN1987A		-69 16 11	PC	IMAGE	ANY	F547M		5	6Ø	2563	3	3
LMC-SN1987A		69 16 11	PC	IMAGE	ANY	F814W		5	3Ø	2563	3	3
LMC-SN1987A	5 35 28.6		WFC	IMAGE	ANY	F547M POLØ		5	120	2563	1	1
LMC-SN1987A		69 16 11	WFC	IMAGE	ANY	F547M POL6Ø		5	120	2563	1	1
LMC-SN1987A		7 -69 16 11	WFC	IMAGE	ANY	F547M POL12Ø		5	120	2563	1	1
LMC-SN1987A		7 -69 16 11	F0C/98	IMAGE	128X128	F231M			1000	2563	1	2
LMC-SN1987A		7 -69 16 11	F0C/96	IMAGE	128X128	F3Ø7M F346M		1	9ØØ 9ØØ	2563	1	2
LMC-SN1987A LMC-SN1987A		7 -69 16 11	F0C/96	IMAGE	128X128 128X128	F41ØM		1	900 1000	2563 2563	1	2
LMC-SN1987A		7 -69 16 11 8 60 16 11	F0C/96	IMAGE IMAGE	128X128	F47ØM		1 1	600	2563	1	2 2
LMC-SN1987A		7 -69 16 11 7 -69 16 11	FOC/96 FOC/96	IMAGE	128X128	F486N		i	900	2563	1	2
LMC-SN1987A		7 -69 16 11 7 -69 16 11	F0C/98	IMAGE	128X128	F5Ø1N		i	9ØØ	2563	i	2
LMC-SN1987A		7 -69 16 11 7 -69 16 11	F0C/98	IMAGE	128X128	F55ØM		i	600	2563	i	2
LMC-SN1987A		6 -69 16 11	F0C/98	IMAGE	128X128	F63ØM		î	900	2563	i	2
LMC-SN1987A		6 -69 16 11	F0C/96	IMAGE	128X128	F231M			1000	2563	2	2
LMC-SN1987A		-69 16 11	F0C/96	IMAGE	128X128	F3Ø7M		ī	900	2563	2	2
LMC-SN1987A		69 16 11	F0C/96	IMAGE	128X128	F346M		ī	900	2563	2	- 2
LMC-SN1987A		7 -69 16 11	F0C/96	IMAGE	128X128	F41ØM			1000	2563	2	2
LMC-SN1987A		-69 16 11	F0C/96	IMAGE	128X128	F47ØM		1	6ØØ	2563	2	2
LMC-SN1987A	5 35 28.6	6 -69 16 11	F0C/96	IMAGE	128X128	F486N		1	900	2563	2	2
LMC-SN1987A	5 35 28.4	<b>69 16 11</b>	F0C/96	IMAGE	128X128	F5Ø1N		1	9ØØ	2563	2	2
LMC-SN1987A	5 35 28.6	7 -69 16 11	F0C/96	IMAGE	128X128	F55ØM		1	600	2563	2	2
LMC-SN1987A	5 35 28.6	<b>7 -69 16 11</b>	F0C/96	IMAGE	128X128	F63ØM		1	900	2563	2	2
LMC-SN1987A	5 35 28.6	<b>69 16 11</b>	F0C/96	IMAGE	128X128	F231M			1000	2563	3	2
LMC-SN1987A	5 35 28.6	<b>7 -69 16 11</b>	F0C/96	IMAGE	128X128	F3Ø7M		1	900	2563	3	2
LMC-SN1987A		<b>7 -69 16 11</b>	F0C/96	IMAGE	128X128	F346M		1	900	2563	3	2
LMC-SN1987A		<b>7</b> -69 16 11	F0C/96	IMAGE	128X128	F41ØM			1000	2563	3	2
LMC-SN1987A		<b>7</b> -69 16 11	F0C/96	IMAGE	128X128	F47ØM		1.	600	2563	3	2
LMC-SN1987A		-69 16 11	F0C/96	IMAGE	128X128	F486N		1	900	2563	3	2
LMC-SN1987A		7 -69 16 11	F0C/98	IMAGE	128X128	F5Ø1N		1	900	2563	3.	2
LMC-SN1987A		69 16 11	F0C/96	IMAGE	128X128	F55ØM		1	600	2563	3	2
LMC-SN1987A		69 16 11	F0C/98	IMAGE	128X128	F63ØM	1070	1	900	2563	3	2
LMC-SN1987A		7 -69 16 11	FOS/BL	ACCUM	Ø.25X2.Ø	G13ØH	1379		1500	2563	1	3
LMC-SN1987A		69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G19ØH	1980		1500	2563	1	3
LMC-SN1987A		7 -69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G27ØH	2753		1500	2563	1	3
LMC-SN1987A LMC-SN1987A		7 -69 16 11 7 -69 16 11	FOS/RD FOS/RD	ACCUM ACCUM	Ø.25X2.Ø Ø.25X2.Ø	G4ØØH G57ØH	4Ø13 5691	1 1	75Ø 75Ø	2563 2563	1 1	3
LMC-SN1987A		7 -69 16 11 7 -69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø Ø.25X2.Ø	G78ØH	7756	1	75Ø	2563	1	3 3
LMC-SN1987A		7 -69 16 11 7 -69 16 11	FOS/BL	ACCUM	Ø.25X2.Ø Ø.25X2.Ø	G13ØH	1379	_	1500	2563	_	3
FWC_2111301V	0 30 20.X	-09 10 11	TOSTOL	ACCOM	₽.20A2.Đ	GTODII	1919	-	1000	2003	4	3

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID	Spec. Cy. Req.	Total Lines
LMC-SN1987A	5 35 28.0	-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G19ØH	198Ø	1	1500	2563	2	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G27ØH	2753	ĩ	1500	2563	2	3
LMC-SN1987A	5 35 28.0	-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G4ØØH	4013	1	75Ø	2563	2	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G57ØH	5691	1	75Ø	2563	2	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G78ØH	7756	1	75Ø	2563	2	3
LMC-SN1987A		-69 16 11	FOS/BL	ACCUM	Ø.25X2.Ø	G13ØH	1379	ī	1500	2563	3	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G19ØH	198Ø	ī	1500	2563	3	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G27ØH	2753	ī	1500	2563	3	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G4ØØH	4013	ī	75Ø	2563	3	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G57ØH	5691	ī	75Ø	2563	3	3
LMC-SN1987A		-69 16 11	FOS/RD	ACCUM	Ø.25X2.Ø	G78ØH	7758	ī	75Ø	2563	3	3
LMC-SN1987A-ECHO		-69 16 12	WFC	IMAGE	ANY	F23ØW		ī	600	2563	ĭ	ĭ
LMC-SN1987A-ECHO		-69 16 12	WFC	IMAGE	ANY	F336W		2	300	2563	ī	ī
LMC-SN1987A-ECHO		-69 16 12	WFC	IMAGE	ANY	F547M		5	60	2563	ī	ī
LMC-SN1987A-STAR3		-69 16 12	FOS/BL	ACCUM	Ø.5-PAIR	G13ØH	1379	ĺ	800	2563	ī	1
LMC-SN1987A-STAR3		-69 16 12	FOS/RD	ACCUM	Ø.5-PAIR	G19ØH	198Ø	ī	800	2563	ī	ī
LMC-SN1987A-STAR3	5 35 28.3	-69 16 12	FOS/RD	ACCUM	Ø.5-PAIR	G27ØH	2753	1	400	2563	1	1
LMC-SN1987A-STAR3	5 35 28.3	-69 16 12	FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4Ø13	1	400	2563	1	1
LMC-SN1987A-STAR3	5 35 28.3	-69 16 12	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5691	1	400	2563	ī	1
LMC-SN1987A-STAR3	5 35 28.3	-69 16 12	FOS/RD	ACCUM	Ø.5-PAIR	G78ØH	7756	1	400	2563	1	1
LMC-N63A	5 35 43.2	-66 2 3	FOS/RD	ACCUM	1.Ø-PAIR	G19ØH	1900	1	2000	2290	1	1
LMC-N63A	5 35 43.2	-66 2 3	FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1300	2	1500	2290	1	1
HDØ37128	5 36 12.8	-1 12 7	HRS	WSCAN	Ø.25	ECH-B	1744	1	27	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1548	1	12	2251	1	1
HDØ37128	5 36 12.8	-1 12 7	HRS	WSCAN	Ø.25	ECH-A	1122	1	16	2251	1	1
HDØ37128	5 36 12.8	-1 12 7	HRS	WSCAN	Ø.25	ECH-A	1159	1	12	2251	1	1
HDØ37128	5 36 12.8	-1 12 7	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	15	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-B	1807	1	18	2251	1	1
HDØ37128	5 36 12.8	-1 12 7	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	9	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1547	1	12	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1548	1	12	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-B	2323	1	5	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1251	1	5	2251	1	2
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1252	1	- 5	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1334	1	6	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-A	1333	1	6	2251	1	2
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-A	1192	1	13	2251	1	1
HDØ37128	5 38 12.8		HRS	WSCAN	Ø.25	ECH-B	1827	1	21	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-B	2324	1	5	2251	1	1
HDØ37128	5 36 12.8		HRS	ACCUM	Ø.25	ECH-B	2325	1	5	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-B	2058	1	15	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-A	1240	1	19	2251	1	1
HDØ37128 ·	5 36 12.8		HRS	WSCAN	Ø.25	ECH-A	1279	1	12	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-A	1357	1	3Ø	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-A	1391	1	35	2251	1	1
HDØ37128	5 36 12.8		HRS	WSCAN	Ø.25	ECH-B	2025	1	15	2251	1	1
HH1	5 36 20.8		PC	IMAGE	P8	F656N		2	1200	2243	1	1
HH1	5 36 20.8		PC	IMAGE	P8	F673N		2	1200	2243		1
HH1	5 36 20.8		PC	IMAGE	P8	F5Ø2N		5	2039	2243		1
NGC2Ø41	5 36 22.7		WFC	IMAGE	ALL	F555W		1	100	2227	1	1
NGC2Ø41	5 36 22.7		WFC	IMAGE	ALL	F555W		1	1000	2227	1	1
NGC2Ø41	5 36 22.7	-66 58 8	WFC	IMAGE	ALL	F785LP		1	100	2227	1	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
NGC2Ø41	5 36 22.7	-66 58 8	WFC	IMAGE	ALL	F785LP		1	1000	2227	1		1
HH2	5 36 25.9		PC	IMAGE	P8	F656N		2	1200	2243	ī		i
HH2	5 36 25.9	-6 47 14	PC	IMAGE	P8	F673N		2	1200	2243	ī		ī
HH2	5 36 25.9	-6 47 14	PC	IMAGE	P8	F5Ø2N		5	2039	2243	1		ī
SK-66D172	5 37 5.6	-66 21 36	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	3Ø7	2233	1		1
SK-66D172	5 37 5.6		HRS	ACCUM	Ø.25	G14ØL	1625	1	1246	2233	1		1
SK-68D137	5 38 24.8	-68 52 33	HRS	ACCUM	Ø.25	G14ØL	135Ø	1	23Ø	2233	1		1
SK-68D137	5 38 24.8	-68 52 33	HRS	ACCUM	Ø.25	G14ØL	1625	1	951	2233	1		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1122	1	14	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1159	1	1Ø	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1548	1	11	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	13	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-B	1744	1	24	2251	2		1
HDØ37468	5 38 44.8	-	HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	16	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1547	1	11	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1548	1	11	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	8	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-B	2323	1	5	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1251	1	4	2251	2		2
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1252	1	4	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1334	1	5	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-A	1333	1	5	2251	2		2
HDØ37468 HDØ37468	5 38 44.8 5 38 44.8		HRS HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A ECH-B	1192	1	12	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-B	1827 2 <b>ø</b> 58	1 1	19 13	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1279	1	13 1Ø	2251 2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1357	1	27	2251	2		1 1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1391	1	31	2251	2		1
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-B	2025	1	13	2251	2		1
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-B	2324	î	5	2251	2		i
HDØ37468	5 38 44.8		HRS	ACCUM	Ø.25	ECH-B	2325	ī	5	2251	2		i
HDØ37468	5 38 44.8		HRS	WSCAN	Ø.25	ECH-A	1240	ī	17	2251	2		i
LMC-SMP85-PCPOS	5 40 32.0		PC	IMAGE	ALL	F547M		ī	1ø	2266	ī		ī
LMC-SMP85-PCPOS	5 40 32.0		PC	IMAGE	ALL	F5Ø2N		ī	20	2266	ī	ACQ	ī
LMC-SMP85-PCPOS	5 40 32.0	-66 17 5	PC	IMAGE	ALL	F487N		1	35	2266	1		ī
LMC-SMP85	5 40 33.0		FOS/RD	ACCUM	1.0	G19ØH	1900	1	6Ø	2266	2		ī
LMC-SMP85	5 40 33.0	-66 16 33*	FOS/BL	ACCUM	1.0	G13ØH	1300	1	22Ø	2266	2		1
LMC-SMP85-OFFSET	5 40 33.0	-66 16 33	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2266	2	ACQ	1
HD37742	5 40 45.6	-1 56 33	HRS	ACCUM	Ø.25	ECH-A	1240	1	3Ø	2584	1	•	1
HD37742	5 40 45.6	-1 56 33	HRS	ACCUM	Ø.25	ECH-A	1335	1	3Ø	2584	1		1
HD37742	5 40 45.6	-1 56 33	HRS	ACCUM	Ø.25	ECH-A	1402	1	3Ø	2584	1		1
HD37742	5 40 45.6		HRS	ACCUM	Ø.25	ECH-A	1206	1	3Ø	2584	1		1
HD37742	5 40 45.8		HRS	ACCUM	Ø.25	ECH-A	1253	1	3Ø	2584	1		1
HD37742	5 40 45.6		HRS	ACCUM	Ø.25	ECH-A	1259	1	3Ø	2584	1		1
HD37742	5 40 45.6		HRS	ACCUM	Ø.25	ECH-A	1393	1	3Ø	2584	1		1
HD37742	5 40 45.6		HRS	ACCUM	Ø.25	ECH-A	1549	1	3Ø	2584	1		1
HD37742	5 40 45.6		HRS	ACCUM	Ø.25	ECH-B	1858	1	3Ø	2584	1		1
LMC-SMP87-PCPOS		-72 42 13	PC	IMAGE	P8	F547M		1	1000	2266	1		1
LMC-SMP87-PCPOS		-72 42 13	PC	IMAGE	P8	F5Ø2N		1	700	2266	1	ACQ	1
LMC-SMP87-PCPOS		-72 42 13	PC	IMAGE	P8	F487N		1	1200	2266	1		1
LMC-SMP87		72 42 13*		ACCUM	1.0	G13ØH	1300	1	62Ø	2266	2		1
LMC-SMP87	5 41 12.0	72 42 13 <b>∗</b>	רחפ/אח	ACCUM	1.0	G19ØH	1900	1	17Ø	2266	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	_	Spec. Req.	Total Lines
LMC-SMP87-OFFSET	5 41 12.Ø	-72 42 13	FOS/BL	ACQ/BINA	4.3	MIRROR		1	27	2266	2	ACQ	1
3C147.Ø	5 42 36.1	49 51 7	PC '	IMAGE	ALL	F7Ø2W		2	600	2488	1	•	1
NGC2Ø9Ø-FIELD		-34 13 37	WFC	IMAGE	ALL	F336W		1	25ØØ	2227	1		2
NGC2Ø9Ø-FIELD		-34 13 37	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC2Ø9Ø-FIELD	5 48 22.4		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC2Ø9Ø-FIELD		-34 13 37	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC2Ø9Ø-FIELD		-34 13 37	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC2Ø9Ø-FIELD		-34 13 37	F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC2Ø9Ø-FIELD		-34 13 37	F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
HD39364		-2Ø 52 45	HRS	ACCUM	2.0	G14ØL	1530	1	800	2238	1		1
HD39364 HD39364	5 51 19.3		HRS	ACCUM	Ø.25	G27ØM	2800	1	140	2238	1		1
NGC2162	5 51 19.3 6 Ø 27.2		HRS	ACCUM	Ø.25	G16ØM	1213	1	500	2238	1		1
NGC2162 NGC2162		-63 45 1 -63 45 1	WFC WFC	IMAGE	ALL	F555W		1	100 1000	2227	1		1
NGC2162 NGC2162	6 Ø 27.2		WEC	IMAGE IMAGE	ALL ALL	F555W F785LP		1 1	100	2227 2227	1		1
NGC2162	<del>-</del>	-63 45 1 -63 45 1	WFC	IMAGE	ALL	F785LP		1	1000	2227	1		1
HD41312	6 3 15.5		HRS	ACCUM	2.0	G14ØL	1530	1	800	2238	i		1
HD41312	6 3 15.5		HRS	ACCUM	Ø.25	G27ØM	2800	i	25Ø	2238	i		i
HD41312		-26 17 4	HRS	ACCUM	Ø.25	G16ØM	1213	ī	1100	2238	ī		î
LMC-SMP96		-71 4 24*		ACCUM	1.0	G13ØH	1300	ī	1700	2266	2		ī
LMC-SMP98	6 6 3.0	-71 4 24*		ACCUM	1.0	G19ØH	1900	ī	460	2266	2		ī
LMC-SMP96-OFFSET	6 6 3.Ø	-71 4 24	FOS/BL	ACQ/BINA	- · ·	MIRROR		ī	13	2266	2	ACQ	ī
LMC-SMP96-PCPOS	6 6 5.Ø		PC	IMAGE	P8	F547M		1	1000	2266	1		ĩ
LMC-SMP96-PCPOS	6 6 5.Ø	-71 4 20	PC	IMAGE	P8	F487N		1	1300	2266	1		1
LMC-SMP98-PCP0S	8	-71 4 20	PC	IMAGE	P8	F5Ø2N		1	75Ø	2266	1	ACQ	1
INCA221-37-AST1	6 8 23.8		FGS	POS	2	F55ØW		1	6Ø	2565	1	CON F	PAR 1
INCA221-37-AST1	6 8 23.8		FGS	POS	2	F55ØW		1	120	2565	1	CON F	
NGC22Ø9		-73 49 37	WFC	IMAGE	ALL	F555W		1	100	2227	1		1
NGC22Ø9		-73 49 37	WFC	IMAGE	ALL	F555W		1	1000	2227	1		1
NGC22Ø9		-73 49 37	WFC	IMAGE	ALL	F785LP		1	100	2227	1		1
NGC2209 INCA221-37-AST2	6 8 51.6 6 9 Ø.2		WFC	IMAGE	ALL	F785LP		1	1000	2227	1	CON	1
INCA221-37-A312 INCA221-37		-15 37 39 -15 42 6	FGS PC	POS	2	F55ØW		1	2 2	2565	1	CON F	
PKSØ6Ø7-158		-15 42 40	PC	IMAGE IMAGE	P8 All	F658N F664N		1 3	6ØØ	2565 2687	1	CON	1 1
PKSØ6Ø7-158	6 9 40.9		PC	IMAGE	ALL	F718M		3	120	2687	1		1
Ø6Ø7-157INCA221-37		-15 42 40	PC	IMAGE	P8	F6Ø6W		1	6Ø	2565	i	CON	i
Ø6Ø7-157INCA221-37	6 9 40.9		PC	IMAGE	P8	F725LP		i	120	2565	ī	CON	î
HD42933	6 10 18.0		HRS	ACCUM	Ø.25	ECH-A36	1549	ī	138	24Ø3	ī	0011	ī
HD42933	6 10 18.0		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	ī	138	2403	ī		ī
HD42933	6 10 18.0		HRS	ACCUM	Ø.25	ECH-A45	1240	1	127	24Ø3	ĩ		ĭ
HD42933	6 10 18.0	-54 58 7	HRS	ACCUM	Ø.25	ECH-A45	1258	1	116	24Ø3	1		1
HD42933	6 10 18.0	-54 58 7	HRS	ACCUM	Ø.25	ECH-A4Ø	1391	1	169	24Ø3	1		1
HD42933	6 10 18.0	-54 58 7	HRS	ACCUM	Ø.25	ECH-A47	1197	1	74	24Ø3	1		1
HD42933	6 10 18.0	-54 58 7	HRS	ACCUM	Ø.25	ECH-A47	1204	1	117	24Ø3	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P7	F336W		1	4	2579	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P7	F555W		1	Ø	2579	1		1
WDØ612+177	8 15 18.4	17 43 45	PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WDØ612+177	8 15 18.4	17 43 45	PC	IMAGE	P5	F336W		1	4	2579	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P6	F785LP		1	4	2579	1		1
WDØ612+177	6 15 18.4	17 43 45	PC	IMAGE	P5	F439W		1	1	2579	1		1

Target	RA (2000) Dec	c (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Red	
WDØ812+177	6 15 18.4 1	7 43 45	PC	IMAGE	P6	F336W		1	4	2579	1	1
WDØ812+177	6 15 18.4 17	7 43 45	PC	IMAGE	P6	F439W		1	1	2579	1	1
WDØ812+177	6 15 18.4 17	7 43 45	PC	IMAGE	P7	F439W		1	1	2579	1	1
WDØ812+177	6 15 18.4 17	7 43 45	PC	IMAGE	P8	F336W		1	1	2579	1	1
WDØ612+177	6 15 18.4 17	7 43 45	PC	IMAGE	P8	F439W		1	Ø	2579	1	1
WDØ812+177	6 15 18.4 17	7 43 45	PC	IMAGE	P5	F785LP		1	4	2579	1	1
WDØ612+177	8 15 18.4 1	7 43 45	PC	IMAGE	P7	F785LP		1	4	2579	1	1
WDØ612+177		7 43 45	PC	IMAGE	P8	F785LP		1	4	2579	1	1
MRK3	6 15 36.3 7		FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1	1
MRK3	6 15 36.3 7		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	1	1
ES0-Ø814-2121	6 16 22.3 -2		WFC	IMAGE	ALL	F555W_		1	300	2775	1	1
ES0-Ø814-2121	6 16 22.3 -2		WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
HD44743	6 22 41.9 -1		HRS	ACCUM	Ø.25	MIRROR-A1		1	Ø	2536	1	1
HD44743	6 22 41.9 -1		HRS	ACCUM	Ø.25	ECH-A	1198	9	3	2536	1	1
HD44743	6 22 41.9 -17		HRS	ACCUM	Ø.25	G14ØM	1203	9	3	2536	1	1
HD44743	6 22 41.9 -1		HRS	ACCUM	Ø.25	ECH-A	1250	4	8	2536	1	1
HD44743	6 22 41.9 -1 6 22 41.9 -1		HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A	1213	4	37	2536	1	1
HD44743 HD44743	6 22 41.9 -1		HRS	ACCUM	Ø.25 Ø.25	ECH-A ECH-A	1188	9	7	2536 2536	1	1
HD44743	6 22 41.9 -17		HRS	ACCUM	Ø.25	ECH-A	1332 12Ø4	1 4	18 22	2536	1 1	1
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-A	1159	1	12	2251	1	1
HDØ44743	6 22 42.0 -17		HRS	ACCUM	Ø.25	ECH-A	1548	i	13	2251	1	1
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-A	1303	1	15	2251	i	i
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-B	1744	î	28	2251	i	i
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-B	18Ø7	î	19	2251	ī	ī
HDØ44743	6 22 42.0 -1		HRS	ACCUM	Ø.25	ECH-A	1547	ī	13	2251	ī	ī
HDØ44743	6 22 42.0 -1		HRS	ACCUM	Ø.25	ECH-A	1548	ī	13	2251	ī	ī
HDØ44743	8 22 42.0 -1	7 57 22	HRS	WSCAN	Ø.25	ECH-A	1122	1	16	2251	ī	1
HDØ44743	6 22 42.Ø -1	7 57 22	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	10	2251	1	1
HDØ44743	6 22 42.0 -1	7 57 22	HRS	ACCUM	Ø.25	ECH-B	2323	1	6	2251	1	1
HDØ44743	6 22 42.0 -17		HRS	ACCUM	Ø.25	ECH-A	1251	1	5	2251	1	2
HDØ44743	6 22 42.0 -1		HRS	ACCUM	Ø.25	ECH-A	1252	1	5	2251	1	1
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-A	1192	1	14	2251	1	1
HDØ44743	6 22 42.0 -1		HRS	WSCAN	Ø.25	ECH-B	2058	1	15	2251	1	1
HDØ44743	6 22 42.0 -17		HRS	WSCAN	Ø.25	ECH-A	1279	1	12	2251	1	1
HDØ44743	6 22 42.0 -17		HRS	WSCAN	Ø.25	ECH-A	1391	1	36	2251	1	1
HDØ44743	6 22 42.0 -17		HRS -	WSCAN	Ø.25	ECH-B	2025	1	15	2251	1	1
HDØ44743	6 22 42.0 -17		HRS	ACCUM	Ø.25	ECH-A	1334	1	6	2251	1	1 2
HDØ44743 HDØ44743	6 22 42.0 -17 6 22 42.0 -17		HRS HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-A ECH-B	1333	1 1	6 6	2251 2251	1	1
HDØ44743	6 22 42.0 -1		HRS	ACCUM	Ø.25	ECH-B	2324 2325	1	6	2251	1 1	1
HDØ44743	6 22 42.0 -17		HRS	WSCAN	Ø.25	ECH-B	2325 1827	1	22	2251	1	i
HDØ44743	6 22 42.0 -17		HRS	WSCAN	Ø.25	ECH-A	1240	1	2Ø	2251	i	i
HDØ44743	6 22 42.0 -17		HRS	WSCAN	Ø.25	ECH-A	1357	î	31	2251	i	ī
AØ62Ø-ØØ	The state of the s	Ø 2Ø 45	FOS/BL	ACQ/BINA		MIRROR	1001	i	100	2334	1 AC	
AØ62Ø-ØØ		0 20 45	FOS/BL	RAPID	1.0	PRISM	365Ø	î	18Ø	2334	1	· 2
AØ62Ø-ØØ		0 20 45	FOS/BL	RAPID	1.0	G16ØL	1837	_	3240	2334	i	1
HD46223		4 49 24	HRS	ACCUM	Ø.25	ECH-A36	1549	ī	176	2492	î	ī
HD46223		4 49 24	HRS	ACCUM	Ø.25	ECH-A45	1238	_	1661	2492	ī	ī
HD46485		4 31 32	HRS	ACCUM	Ø.25	ECH-A36	1549	ī	176	2492	ī	1
HD46485		4 31 32	HRS	ACCUM	Ø.25	ECH-A45	1238		1245	2492	1	1
HØ631+1Ø44	6 33 51.3 16	Ø 41 33	HRS	ACCUM	2.0	G14ØL	1288	1	900	2593	2	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
STAR-Ø633+1746	6 33 54.0	17 46 11	F0C/98	IMAGE	512X512	F43ØW		1	4000	2525	1		1
STAR-Ø633+1746	6 33 54.Ø	17 46 11	F0C/98	IMAGE	512X512	F32ØW		ī	8540	2525	ī		ī
PKSØ637-75	6 35 46.5	-75 16 17	FOS/BL	ACQ/BINA	4.3	MIRROR		ī	11	2424	2	ACQ	ī
PKSØ837-75		-75 16 17	FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	ī
PKSØ637-75	6 35 46.5	-75 16 17	FOS/BL	ACCÜM	1.0	G16ØL	1837	ī	492	2424	2		ī
PKSØ637-75	6 35 46.5	-75 16 17	FOS/RD	ACCUM	1.0	G27ØH	2753	ī	234	2424	2		ī
PKSØ837-75	6 35 46.5	-75 16 17	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1Ø68	2424	2		ī
PKS834-2Ø5	6 36 32.3	-20 34 54	PC '	IMAGE	ALL	F675W		1	3500	2456	1		1
PKS634-2Ø5	6 36 32.3	-20 34 54	PC	IMAGE	ALL	F785LP		1	3400	2458	1		1
HDØ47839	6 4Ø 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1159	1	23	2251	2		1
HDØ47839	6 4Ø 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	3Ø	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	1744	1	54	2251	2		1
HDØ47839	6 4Ø 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	36	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	19	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1548	1	25	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1122	1	31	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1547	1	25	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1548	1	25	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-B	2323	1	11	2251	2		1
HDØ47839	<b>6 4Ø 58.7</b>	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1251	1	10	2251	2		2
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1252	1	1Ø	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1192	1	27	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	1827	1	42	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	2058	1	3Ø	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1240	1	38	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1279	1	23	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1357	1	6Ø	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-B	2025	1	3Ø	2251	2		1
HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1334	1	12	2251	2		1
HDØ47839 HDØ47839	6 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-A	1333	1	12	2251	2		2
HDØ47839	8 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-B	2324	1	11	2251	2		1
HDØ47839	8 40 58.7	9 53 45	HRS	ACCUM	Ø.25	ECH-B	2325	1	11	2251	2		1
HD48915	6 40 58.7	9 53 45	HRS	WSCAN	Ø.25	ECH-A	1391	1	69	2251	2		1
HD48915	6 45 8.9		HRS HRS	ACCUM	Ø.25	MIRROR-A1	1000	1	Ø	2461	1		2
HD48915		-16 42 58 -16 42 58	HRS	ACCUM ACCUM	Ø.25 Ø.25	G14ØM	1203	1	3Ø	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	G14ØM G16ØM	1253	1	8	2461	1		1
HD48915		-16 42 58 -16 42 58	HRS	ACCUM	Ø.25	ECH-A	1344	1	3	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-A	1653	2 3	112	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-A	1198	2	547	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-B	125Ø 28Ø5	4	129	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-B	2854	4	43	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-B	2345	3	14 14	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-B	2581	3	28	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-A	1188	4	46Ø	2461 2461	1 1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-A	1332	2	43	2461	1		1
HD48915		-16 42 58	HRS	ACCUM	Ø.25	ECH-B	2598	3	43 57	2461	1		1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P5	F439W	2030	1	Ø	2579	1		1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P5	F555W		1	ø	2579	1		1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P6	F439W		1	ø	2579	1		1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P6	F555W		1	ø	2579	1		1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P7	F439W		1	ø	2579	1		1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spe Cy. Re	
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P7	F555W		1	1	2579	1	1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P8	F336W		1	Ø	2579	1	1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P8	F439W		1	Ø	2579	1	1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P8	F555W		1	1	2579	1	1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P5	F785LP		1	1	2579	1	1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P6	F785LP		1	Ø	2579	1	1
WDØ644+375	6 47 37.3	37 31 9	PC .	IMAGE	P8	F785LP		1	1	2579	1	1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P5	F336W		1	1	2579	1	1
WDØ644+375	6 47 37.3	37 31 9	PC	IMAGE	P6	F336W		1	1	2579	1	1
WDØ644+375	6 47 37.3		PC	IMAGE	P7	F336W		1	1	2579	1	1
WDØ844+375	6 47 37.3	37 31 9	PC	IMAGE	P7	F785LP		1	1	2579	1	1
STPUPPIS	6 48 56.4	-37 16 34	HRS	ACCUM	2.0	G2ØØM	1900	4	1050	2258	1	4
STPUPPIS	6 48 56.4	-37 16 34	HRS	ACCUM	2.0	G14ØL	1505	1	540	2258	1	4
4C41.17	6 50 52.4	41 30 31	PC	IMAGE	ALL	F569W		3	2300	2438	1	1
4C41.17	6 50 52.4		PC	IMAGE	ALL	F7Ø2W		3	2300	2438	1	1
HD5Ø896	8 54 13.Ø	-23 55 42	HRS	ACCUM	Ø.25	ECH-A45	1238	1	381	2492	1	1
3C171.Ø	6 55 14.9		PC	IMAGE	ALL	F547M		1	600	2488	1	1
3C171.Ø	6 55 14.9		PC	IMAGE	ALL	F648M		1	600	2488	1	1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	MIRROR-A1		1	Ø	2536	1	1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	G14ØM	1203	9	3	2536	1	1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	ECH-A	1188	9	11	2536	1	• 1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	ECH-A	1198	9	3	2536	1	1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	ECH-A	1213	4	47	2536	1	1
HD52Ø89	6 58 37.5		HRS	ACCUM	Ø.25	ECH-A	1204	4	22	2536	1	1
UGC-3528	7 2 27.7		WFC	IMAGE	ALL	F555W		1	300	2775	1	1
UGC-3528	7 2 27.7		WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
3C175	7 13 2.4		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	36Ø	2578	1	1
3C175	7 13 2.4		FOS/RD	ACCUM	1.0	G19ØH	1900	1	1500	2578	1	1
3C175	7 13 2.4		FOS/RD	ACCUM	1.0	G27ØH	2700	1	57Ø	2578	1	1
3C175	7 13 2.4		FOS/RD	ACQ/BINA		MIRROR		1	11	2578		CQ 1
INCA221-4Ø	7 16 14.5		FGS	POS	2	F583W	0004	1	51	286Ø	1	2
HDØ57Ø61		-24 57 15	HRS	ACCUM	Ø.25	ECH-B	2324	1	12	2251	2	2
HDØ57Ø81		-24 57 15	HRS	WSCAN	Ø.25	ECH-A	1159	1	26	2251	2	1
HDØ57Ø61		-24 57 15	HRS	WSCAN	Ø.25	ECH-B	1807	1	4Ø 12	2251 2251	2 2	1 3
HDØ57Ø61 HDØ57Ø61		-24 57 15	HRS HRS	ACCUM	Ø.25	ECH-B ECH-B	2323 2325	1	12	2251	2	-
HDØ57Ø61		-24 57 15	HRS	ACCUM	Ø.25	ECH-A		1 1	28	2251	2	2 1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-A	1548 1122	i	35	2251	2	1
HDØ57Ø61		-24 57 15	HRS	WSCAN WSCAN	Ø.25 Ø.25	ECH-A	1303	i	33	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	WSCAN	Ø.25	ECH-B	1744	i	6Ø	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	WSCAN	Ø.25	ECH-B	237Ø	i	21	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-A	1547	i	28	2251	2	i
HDØ57Ø61		-24 57 15	HRS	ACCUM	Ø.25	ECH-A	1548	i	28	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-A	1251	i	11	2251	2	2
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-A	1251	1	11	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25 Ø.25	ECH-A	1334	1	13	2251	2	1
HDØ57Ø61 .		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25 Ø.25	ECH-A	1333	1	13	2251	2	2
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-B	2324	1	12	2251	2	2
HDØ57Ø61		-24 57 15	HRS	ACCUM	Ø.25 Ø.25	ECH-B	2323	i	12	2251	2	1
HDØ57Ø61		-24 57 15 -24 57 15	HRS	ACCUM	Ø.25	ECH-B	2325	1	12	2251	2	2
HDØ57Ø61		-24 57 15 -24 57 15	HRS	WSCAN	Ø.25 Ø.25	ECH-B	1827	1	47	2251	2	ī
HDØ57Ø61		-24 57 15 -24 57 15	HRS	WSCAN	Ø.25	ECH-A	1279	1	26	2251		î
INDOIDGE	1 10 42.5	-74 01 TO	TING	HOCAH	₩.40	ECH-Y	1213	_	20	£201	-	•

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	•	otal ines
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-A	1192	1	3Ø	2251	2		1
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-B	2058	1	33	2251	2		1
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-A	1240	1	42	2251	2		1
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-A	1357	1	67	2251	2		1
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-A	1391	1	77	2251	2		1
HDØ57Ø61	7 18 42.5	-24 57 15	HRS	WSCAN	Ø.25	ECH-B	2025	1	33	2251	2		1
POINTØ718+714INCA221 -40	7 21 10.2	71 31 22	s/c	POINTING	V1			1	Ø	286Ø	1		1
Ø716+714INCA221-4Ø	7 21 53.4	71 20 36	FGS	POS	2	F583W		1	51	286Ø	1		3
3C181.Ø	7 28 10.2	14 37 36	PC .	IMAGE	ALL	F7Ø2W		1	720	2488	1		1
G1Ø7-7Ø	7 30 47.4	48 10 26	WFC	IMAGE	ANY	F469N		1	1	2593	1		1
G107-70	7 30 47.4	48 10 26	WFC	IMAGE	ANY	F658N		1	1	2593	1		1
G1Ø7-7Ø	7 30 47.4	48 10 26	WFC	IMAGE	ANY	F1Ø83N		1	1	2593	1		1
G88-42	7 35 54.6	19 12 14	FGS	POS	PRIME	F583W		1	5Ø	2428	1		34
G88-42	7 35 54.6	19 12 14	FGS	POS	PRIME	F583W		1	5Ø	2428	2		34
G88-42	7 35 54.6	19 12 14	FGS	POS	PRIME	F583W		1	5Ø	2428	3		14
G88-42	7 35 54.6	19 12 14	FGS	TRANS	PRIME	F583W		1	10	2428	1	is.	1
ES0-Ø736-6925	7 36 20.9	-69 32 6	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-Ø736-6925	7 36 20.9	-69 32 6	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
ES0-Ø735-4731	7 36 28.2	2 -47 38 15	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-0735-4731	7 36 28.2	-47 38 15	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F547M		1	600	2356	1	SEL PAR	1
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F656N			2000	2356	1	SEL PAR	
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F547M		1	6ØØ	2356	1	CON SEL	
NGC24Ø3-PAR1	7 36 5Ø.Ø	65 36 16	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON SEL	. 1
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F673N		1	2400	2358	1		. 1
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL PAR	1
NGC24Ø3-PAR1	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F673N			2325	2356	ī	SEL PAR	
NGC24Ø3-PAR2	7 36 50.0		WFC	IMAGE	ALL	F547M		ī	600	2356	ī	SEL PAR	
NGC24Ø3-PAR2	7 38 50.0		WFC :	IMAGE	ALL	F656N		_	2000	2356	1	SEL PAR	
NGC24Ø3-PAR2	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F547M		1	600	2356	1	CON SEL	
NGC24Ø3-PAR2	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F656N		1	2000	2356	1	CON SEL	. 1
NGC24Ø3-PAR2	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F673N		1	2400	2356	1		. 1
NGC24Ø3-PAR2	7 36 50.0	65 36 16	WFC	IMAGE	ALL	F5Ø2N		1	2325	2356	1	SEL PAR	1
NGC24Ø3-PAR2	7 36 50.0		WFC	IMAGE	ALL	F673N		ī	2325	2356	ī	SEL PAR	
NGC24Ø3-FIELD	7 38 54.5	65 35 59	WFC	IMAGE	ALL	F336W		ī	600	2227	ī	<b></b>	4
NGC24Ø3-FIELD	7 36 54.5	65 35 59	WFC	IMAGE	ALL	F555W		1	600	2227	1		26
NGC24Ø3-FIELD	7 36 54.5	65 35 59	WFC	IMAGE	ALL	F785LP		1	600	2227	ī		8
NGC24Ø3-FIELD	7 36 54.5		F0C/48	IMAGE	512X1Ø24	F15ØW		ī	600	2227	ī	PAR	24
NGC24Ø3-FIELD	7 36 54.5		F0C/48	IMAGE	512X1Ø24	F43ØW		ī	600	2227	ī	PAR	- 6
NGC24Ø3-FIELD	7 36 54.5		F0C/48	IMAGE	512X1Ø24	F15ØW		2	600	2227	ī	PAR	2
NGC24Ø3-FIELD	7 36 54.5		F0C/48	IMAGE	512X1Ø24	F43ØW		2	600	2227		PAR	2
MARK9-PCP0S	7 37 Ø.1		PC	IMAGE	ALL	F284W		ī	6ø	2076		ACQ	ī
MARK9-PCP0S	7 37 Ø.1		PC	IMAGE	ALL	F284W		ī	300	2076		ACQ	ī
MARK9-PCP0S	7 37 Ø.1		PC	IMAGE	ALL	F517N		ī	3Ø	2076	_	ACQ	ī
MARK9-PCP0S	7 37 Ø.1		PC	IMAGE	ALL	F517N		ī	300	2076	_	ACQ	ī
			-					-			-		_

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
MARK9-PCPOS	7 37 Ø.1	58 46 1	PC	IMAGE	ALL	F588N		1	3Ø	2076	1	ACQ	1
MARK9-PCPOS	7 37 Ø.1	58 46 1	PC	IMAGE	ALL	F588N		1	600	2076	1	ACQ	1
MARK9	7 37 3.2		FOS/BL	ACCUM	Ø.5	G13ØH	138ø	1	4200	2Ø76	1		1
MARK9	7 37 3.2		•	ACCUM	Ø.5	G19ØH	1954	1	132Ø	2076	1		ī
MARK9	7 37 3.2	58 45 48*	FOS/RD	ACCUM	Ø.5	G27ØH	2753	1	66Ø	2Ø76	1		1
MARK9	7 37 3.2	58 45 48*	FOS/RD	ACCUM	Ø.5	G4ØØH	4013	1	840	2076	1		1
MARK9-OFFSET	7 37 3.2		FOS/BL	ACQ/BINA	4.3	MIRROR		1	3	2Ø76	1	ACQ	1
NGC2419	7 38 14.6	38 50 49	PC '	IMAGE	ALL	F555W		1	3Ø	2559	1		2
NGC2419	7 38 14.6	38 50 49	PC	IMAGE	ALL	F791W		1	3Ø	2559	1		2
NGC2419	7 38 14.6	38 50 49	PC	IMAGE	ALL	F555W		1	234Ø	2559	1		3
NGC2419	7 38 14.6	38 50 49	PC	IMAGE	ALL	F791W		1	234Ø	2559	1		3
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	W4	F8ND		1	Ø	2593	1	ACQ	1
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	ALL-ND	F469N		1	Ø	2593	1	•	1
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	ALL-ND	F631N		1	Ø	2593	1		. 1
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	ALL-ND	F656N		1	Ø	2593	1		1
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	ALL-ND	F673N		1	Ø	2593	1		1
ALPHA-C-MI-B	7 39 18.1	5 13 30	WFC	IMAGE	ALL-ND	F1Ø83N		1	Ø	2593	1		1
L745-46A	7 40 20.8	-17 24 48	F0S/BL	ACQ/BINA	4.3	MIRROR		1	4	2593	1	ACQ	1
L745-46A	7 40 20.8	-17 24 48	F0S/BL	ACCUM	1.0	G13ØH	138Ø	1	1578	2593	1	•	1
L745-46A	7 40 20.8	-17 24 48	F0S/BL	ACCUM	1.0	G19ØH	1944	1	816	2593	1	12	1
L745-46A	7 40 20.8	-17 24 48	FOS/BL	ACCUM	1.0	G27ØH	2700	1	155	2593	1		1
01363	7 41 10.7	31 11 59	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
0I363	7 41 10.7	31 11 59	FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
01363	7 41 10.7	31 11 59	F0S/BL	ACCUM	1.0	G16ØL	1837	1	456	2424	3		1
0I363	7 41 10.7	31 11 59	FOS/RD	ACCUM	1.0	G27ØH	2753	1	474	2424	3		1
0I363	7 41 10.7	31 11 59	FOS/RD	ACCUM	1.0	G19ØH	198Ø		1416	2424	3		1
MARK78-SOUTH	7 42 41.7	65 1Ø 37 <b>*</b>	F0C/48	SPEC	512X1Ø24-SLIT		4400	1 :	2400	2493	1		1
MARK78-IMAGE	7 42 41.7	65 1Ø 38	PC	IMAGE	P7	F588N	588ø	1	800	2493	1		1
MARK78-IMAGE	7 42 41.7	65 1Ø 38	PC	IMAGE	P7	F517N	5171	1	8ØØ	2493	1		1
MARK78-NUC	7 42 41.7		F0C/48	SPEC	512X1Ø24-SLIT		4400		2400	2493	1		, 1
MARK78-NORTH	7 42 41.7		•	SPEC	512X1Ø24-SLIT		4400		2400	2493	1		1
3C186.Ø	7 44 17.4		F0S/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C186.Ø	7 44 17.4	37 53 18	F0S/BL	ACCUM	1.0	G16ØL	1837		1104	2424	3		1
3C186	7 44 17.5		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	78Ø	2578	1		1
3C186	7 44 17.5		FOS/RD	ACCUM	1.0	G27ØH	2700	1	9ØØ	2578	1		1
3C186	7 44 17.5		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	1	ACQ	1
B2Ø742+31	7 45 41.6		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
B20742+31	7 45 41.6		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
B2Ø742+31	7 45 41.8		FOS/RD	ACCUM	1.0	G27ØH	2753	1	246	2424	3		1
B2Ø742+31	7 45 41.6		F0S/BL	ACCUM	1.0	G13ØH	1379		155Ø	2424	3		1
B2Ø742+31	7 45 41.6		FOS/RD	ACCUM	1.0	G19ØH	198Ø		1362	2424	3		1
01-287	7 52 37.1		FOS/RD	ACQ/BINA		MIRROR	بيد كالد	1	11	2123	1	ACQ	1
OI-287	7 52 37.1		FOS/RD	ACCUM	Ø.5	G19ØH	1900		2279	2123	1		1
PCØ751+5623	7 55 42.8		WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1		1
PCØ751+5623	7 55 42.6		WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	2350	1		1
IRASØ7598+65Ø8	8 4 30.4		PC	IMAGE	P8	F439W		1	200	2616	1		1
IRASØ7598+65Ø8	8 4 30.4	64 59 52	PC	IMAGE	P8	F439W			2000	2616	1		1
IRASØ7598+65Ø8	8 4 30.4		PC	IMAGE	P8	F675W		1	200	2616	1		1
IRASØ7598+65Ø8	8 4 30.4		PC	IMAGE	P8	F675W			2000	2616	1		1
IRASØ7598+65Ø8	8 4 30.4		PC	IMAGE	P8	F85ØLP		1	200	2616	1		1
IRASØ7598+65Ø8	8 4 30.4		PÇ	IMAGE	P8	F85ØLP			2000	2616	1		1
Ø8Ø2+163	8 5 2.2	16 14 5	PĈ	IMAGE	ALL	F555W		1	200	235Ø	1		1

			Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total	
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		. Time	ID		Req.	Lines	
Ø8Ø2+163	8 5 2.2		PC	IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1	
0J5Ø8	8 8 39.6		WFC	IMAGE	ALL	F785LP		1	500	2425	1		1	
0J5Ø8	8 8 39.6		WFC	IMAGE	ALL	F785LP		1	2400	2425	1		1	
NGC2541-FIELD	8 14 36.6		WFC	IMAGE	ALL	F336W		1	25ØØ	2227	1		2	
NGC2541-FIELD	8 14 36.0		WFC	IMAGE	ALL	F555W		1	2500	2227	1		13	
NGC2541-FIELD	8 14 36.0		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4	
NGC2541-FIELD	8 14 36.0		F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12	
NGC2541-FIELD	8 14 36.0		F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3	
NGC2541-FIELD	8 14 38.0		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1	
NGC2541-FIELD	8 14 36.2		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1	
VV-PUP		-19 3 17	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	1741	266Ø	1		1	
Ø818-128INCA221-44	-	-12 58 59	FGS	POS	2	F583W		1	51	286Ø	1		3	
INCA221-44		-12 49 35	FGS	POS	2	F583W		1	51	286Ø	1		2	
POINTØ818-128INCA221 -44	8 21 45.5	-12 58 28	S/C	POINTING	V1			1	Ø	286Ø	1		1	
POINTØ826-373INCA221	8 27 17.4	-37 38 50	s/c	POINTING	V1			1	Ø	286Ø	1		1	
Ø826-373INCA221-45	8 28 4.8	-37 31 6	FGS	POS	2	F583W		1	51	286Ø	1		3	
INCA221-45		-37 43 49	FGS	POS	2	F583W		î	51	2860	ī		2	
HD72Ø89		-45 33 27	HRS	ACCUM	2.0	ECH-B	18Ø8	ī	159	2348	ī		ī	
HD72Ø89		-45 33 27	HRS	ACCUM	2.0	ECH-A	1251	ī	26Ø	2348	1		ī	
HD72Ø89		-45 33 27	HRS	ACCUM	2.0	ECH-A	13Ø3	1	26Ø	2348	ĩ		1	
HD72Ø89	8 29 7.2	-45 33 27	HRS	ACCUM	2.0	ECH-A	1609	1	3Ø3	2348	1		1	
HD72Ø89		-45 33 27	HRS	ACCUM	2.0	ECH-B	1858	1	218	2348	1		1	
HD72Ø89	8 29 7.0	-45 33 27	HRS	ACCUM	2.0	ECH-A	1672	3	159	2348	1		1	
HD72127B		-44 43 26*		ACCUM	Ø.25	ECH-A	1240	1	400	2347	1		1	
HD72127B		-44 43 26*		ACCUM	Ø.25	ECH-A	1477	1	120	2347	1		1	
HD72127B			HRS	ACCUM	Ø.25	ECH-A	13Ø3	1	170	2347	1		1	
HD72127B		-44 43 26+		ACCUM	Ø.25	ECH-A	155Ø	1	189	2347	1		1	
HD72127B		-44 43 26+		ACCUM	Ø.25	ECH-A	1559	1	120	2347	1		1	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1122	1	9Ø	2251	1		1	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1548	1	72	2251	1		1	
HDØ72127 HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1159	1.	67	2251	1		1	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1303	1	85	2251	1		1 1	
HDØ72127		-44 43 30 -44 43 30	HRS HRS	WSCAN	Ø.25	ECH-B	1744	1 1	153 54	2251 2251	1		1	
HDØ72127		-44 43 30	HRS	WSCAN WSCAN	Ø.25	ECH-B ECH-B	237Ø 18Ø7	1	103	2251	1		1	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1547	1	72	2251	i		i	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25 Ø.25	ECH-A	1548	1	72	2251	1		i	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-B	2323	i	33	2251	i		i	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1251	1	28	2251	1		2	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1251	i	28	2251	ī		í	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1334	i	34	2251	ī		î	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-A	1333	i	34	2251	î		2	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-B	2324	ī	33	2251	ī		ī	
HDØ72127		-44 43 30	HRS	ACCUM	Ø.25	ECH-B	2325	i	33	2251	ī		ī	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1192	ī	76	2251	ī		ī	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-B	2058	ī	85	2251	ī		ī	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-B	1827	ī	121	2251	ī		ī	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1240	ī	1Ø8	2251	ī		1	
HDØ72127	8 29 27.5		HRS	WSCAN	Ø.25	ECH-A	1279	1	67	2251	ī		ī	
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1357	ī	171	2251			1	

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	D4 (0@@@)	D (00000)	Inst.	Operating	A	Spectral	Central	No.				pec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-A	1391	1	198	2251	1		1
HDØ72127		-44 43 30	HRS	WSCAN	Ø.25	ECH-B	2025	1	85	2251	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	Ø.25	ECH-A	1550	1	6Ø	2347	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	Ø.25	ECH-A	1240	1	17Ø	2347	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	2.0	ECH-B	18Ø8	1	86	2348	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	Ø.25	ECH-A	1477	1	3Ø	2347	1		1
HD72127A	8 29 27.6	3 -44 43 31	HRS	ACCUM	Ø.25	ECH-A	13Ø3	1	55	2347	1		1
HD72127A	8 29 27.6	3 -44 43 31	HRS	ACCUM	2.0	ECH-A	1251	1	72	2348	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	2.0	ECH-A	1303	1	72	2348	1		1
HD72127A		3 -44 43 31	HRS	ACCUM	Ø.25	ECH-A	1559	1	3Ø	2347	1		1
HD72127A	8 29 27.6		HRS	ACCUM	2.0	ECH-A	1609	1	158	2348	1		1
HD72127A	8 29 27.6	3 -44 43 31	HRS	ACCUM	2.0	ECH-A	1672	1	23Ø	2348	1		1
HD72127A	8 29 27.6	3 -44 43 31	HRS	ACCUM	2.0	ECH-B	1858	1	100	2348	1		1
HD7235Ø	8 30 39.3	3 -44 44 14	HRS	ACCUM	2.0	ECH-B	2538	1	36Ø	236Ø	1		1
HD7235Ø	8 30 39.3	3 -44 44 14	HRS	ACCUM	2.0	ECH-A	1238	1	841	236Ø	1		. 1
B2Ø827+24	8 30 52.1	24 10 59	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	600	2578	1		1
B2Ø827+24	8 30 52.1	24 1Ø 59	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
HD72798	8 33 1.8	3 -45 45 11	HRS	ACCUM	2.Ø	ECH-A	1238	1	674	236Ø	1		1
HD72798	8 33 1.8	3 -45 45 11	HRS	ACCUM	2.0	ECH-B	2538	1	36Ø	236Ø	1		1
ES0-Ø831-2248	8 33 22.7	7 -22 58 27	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-Ø831-2248	8 33 22.7	7 -22 58 27	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
US1329	8 36 58.8	3 44 26 1	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
US1329	8 36 58.8	3 44 26 1	FOS/BL	ACCUM	1.0	G13ØH	1379	1 .	4542	2424	2		1
HD73658	8 37 40.0	7 -46 16 58	HRS	ACCUM	2.0	ECH-A	1238	1	118Ø	236Ø	1		1
HD73658	8 37 40.0	7 -46 16 58	HRS	ACCUM	2.0	ECH-B	2538	1	36Ø	236Ø	1		1
IC2391-1	8 38 55.7	7 -52 57 52	PC	IMAGE	ALL	F875M		1	2	2265	2		1
IC2391-6	8 39 53.6	<b>5 –52 57 57</b>	PC	IMAGE	ALL	F875M		1	8	2265	2		1
3C2Ø7	8 40 47.6		F0S/RD	ACCUM	1.0	G19ØH	1900	1	24ØØ	2578	1		1
3C2Ø7	8 40 47.6		FOS/RD	ACCUM	1.Ø	G27ØH	2700	1	126Ø	2578	1		1
3C2Ø7	8 40 47.6		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	1	ACQ	1
3C2Ø7	8 40 47.6		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	1Ø19	2578	1		1
3C2Ø7.Ø	8 40 47.6	3 13 12 23	PC	IMAGE	ALL	F6Ø6W		1	600	2488	1		1
IC2391-3	8 41 25.9	9 -53 22 42	PC.	IMAGE	ALL	F875M		1	1Ø	2265	2		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P5	F336W		1	1	2579	1		1
WDØ839-327	8 41 35.9	3 -32 57 21	PC	IMAGE	P5	F439W		1	Ø	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P5	F555W		1	1	2579	1		1
WDØ839-327		9 -32 57 21	PC .	IMAGE	P6	F439W		1	Ø	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P6	F555W		1	1	2579	1		1
WDØ839-327		-32 57 21	PC	IMAGE	P7	F439W		1	Ø	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P7	F555W		1	1	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P8	F336W		1	Ø	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P8	F555W		1	1	2579	1		1
WDØ839-327		9 -32 57 21	PC	IMAGE	P7	F785LP		1	Ø	2579	1		1
WDØ839-327		3 -32 57 21	PC	IMAGE	P6	F336W		1	Ø	2579	1		1
WDØ839-327		-32 57 21	PC	IMAGE	P7	F336W		1	Ø	2579			1
WDØ839-327		-32 57 21	PC	IMAGE	P5	F785LP		1	Ø	2579	1		1
WDØ839-327		3 -32 57 21	PC	IMAGE	P6	F785LP		1	Ø	2579	1		1
WDØ839-327		-32 57 21	PC	IMAGE	P8	F785LP		1	Ø	2579	1		1
IC2391-8		7 -52 59 35	PC	IMAGE	ALL	F875M		1	16	2265	2		1
IC2391-7	8 41 52.1		PC	IMAGE	ALL	F875M		1	10	2265	2		1
CBS-78	8 41 55.0	37 23 15	FOS/RD	ACCUM	1.0	G27ØH	2700	1	600	2593	2		1

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Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
CBS-78	8 41 55.Ø	37 23 15	FOS/RD	ACCUM	1.0	G19ØH	1944	1	9øø	2593	2		1
IC2391-9		-52 52 14	PC	IMAGE	ALL	F875M	2044	i	18	2265	2		1
HD74455A	8 42 16.1		HRS	ACCUM	Ø.25	G16ØM	1226	_	1146	2344	1		1
HD74455B	8 42 16.1			ACCUM	Ø.25	ECH-B	2799	i	144	2347	i		i
HD74455B	8 42 16.1			ACCUM	Ø.25	ECH-B	2596	i	189	2347	i		1
HD74455A	8 42 16.1		HRS	ACCUM	Ø.25	ECH-B	2596 2596	1	40	2347	_		
HD74455A	8 42 16.1		HRS	ACCUM	Ø.25	ECH-B	2799	1	40	2347	1		1
IC2391-1Ø	8 42 18.5		PC	IMAGE	ALL	F875M	2199	1	18	2265	1 2		1
IC2391-2	8 42 46.6		PC	IMAGE	ALL	F875M		1	2	2265	2		1
IC2391-4	8 43 27.8		PC	IMAGE	ALL	F875M		1	26	2265	2		1
IC2331-4 IC2391-5	8 43 27.8		PC	IMAGE	ALL	F875M		1	26	2265	2		1
NGC2639	8 43 37.8	50 12 19	WFC	IMAGE	ALL	F555W			3ØØ		_		1
NGC2639	8 43 37.8	50 12 19 50 12 19						1	3ØØ	2775	1		1
Ø844+349	8 47 42.5		WFC	IMAGE	ALL	F785LP	1560	1 3		2775	1		1
T0N951	8 47 42.5	34 45 4 34 45 4	HRS	ACCUM	2.0	G16ØM	1562		49Ø	2553	1	4.00	1
T0N951			FOS/BL	ACQ/BINA		MIRROR	0760	1	3	2717	1	ACQ	1
T0N951	8 47 42.5	34 45 4	FOS/BL	ACCUM	Ø.5	G27ØH	2769	1	600	2717	1		1
UGC-4619	8 47 42.5	34 45 4	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	1800	2717	1		1
UGC-4619	8 49 21.8	19 4 24	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
Ø846+51W1	8 49 21.8	19 4 24	WFC	IMAGE	ALL	F785LP		1	300	2775	1	4.00	1
	8 49 58.0	51 8 29	FOS/BL	ACQ/BINA		MIRROR	1007	1	11	2424	2	ACQ	1
Ø846+51W1 HD75821A	8 49 58.0		FOS/BL	ACCUM	1.0	G16ØL	1837	1	522	2424	2		1
HD75821A	8 50 33.5		HRS	ACCUM	Ø.25	G16ØM	1550	1	100	2347	1		1
HD75821A	8 50 33.5		HRS	ACCUM	Ø.25	G16ØM	1253	1	40	2347	1		1
HD75821B		-46 31 45	HRS	ACCUM	2.0	G18ØM	1226	1	36Ø	2344	1		1
HD75821B		-46 31 45*		ACCUM	Ø.25	G16ØM	1253	1	25Ø	2347	1		1
M67-I17	8 50 33.8			ACCUM	Ø.25	G16ØM	155Ø	1	189	2347	1	1.00	1
M67-I17 M67-I17	8 51 8.4	11 47 21	FOS/RD	ACQ/BINA		MIRROR	4000	1	1	26Ø7	1	ACQ	1
M67-I17	8 51 8.4		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	6Ø	2607	1		1
M67-I17	8 51 8.4	11 47 21	FOS/RD	ACCUM	Ø.25-PAIR	G4ØØH	4000	1	6Ø	2607	1		1
M67-I17	8 51 8.4	11 47 21	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	57ØØ	1	6Ø	26Ø7	1		1
UGC-4638	8 51 8.4	11 47 21	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	6Ø	2607	1		1
UGC-4638	8 51 38.Ø	-2 22 1	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
1EØ849+2845	8 51 38.Ø	-2 22 1	WFC ·	IMAGE	ALL	F785LP		1	300	2775	1		1
1E0849+2845	8 52 6.4	28 33 57	PC	IMAGE	ALL	F555W ·		1	200	235Ø	1		1
UGC-4641	8 52 6.4	28 33 57	PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
UGC-4641	8 52 40.5	33 25 Ø 33 25 Ø	WFC	IMAGE	ALL.	F555W		1	300	2775	1		1
1EØ85Ø+2828	8 52 40.5		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
1E0850+2828	8 53 3.1	28 16 45	PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
3C208.0	8 53 3.1	28 16 45	PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
3C208.0	8 53 8.6	13 52 54	FOS/BL	ACQ/BINA		MIRROR	1007	1	11	2424	3	ACQ	1
	8 53 8.6	13 52 54	FOS/BL	ACCUM	1.0	G16ØL	1837	1	888	2424	3		1
1E0850+2825	8 53 18.Ø	28 13 54	PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
1E0850+2825·	8 53 18.Ø	28 13 54	PC	IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1
US1867	8 53 34.2	43 49 1	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
US1867	8 53 34.2	43 49 1	FOS/RD	ACQ/BINA		MIRROR	1007	1	11	2424	1	ACQ	1
US1867	8 53 34.2	43 49 1	FOS/BL	ACCUM	1.0	G16ØL	1837	1	498	2424	1		1
US1867	8 53 34.2	43 49 1	FOS/RD	ACCUM	1.0	G27ØH	2753	1	534	2424	1		1
US1867	8 53 34.2	43 49 1	FOS/RD	ACCUM	1.0	G19ØH	1980	1	1518	2424	1		1
INCA221-50	8 54 Ø.6	20 13 49	FGS	POS	2	F5ND		1	51	286Ø	_		2
POINTØ851+2Ø2INCA221 -5Ø	8 54 47.1	20 18 17	s/c	POINTING	V1			1	Ø	286Ø	1		1
0J287	8 54 48.8	20 6 30	PC	IMAGE	ALL	F555W		1	200	235Ø	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
0J287	8 54 48.8	20 6 30	PC	IMAGE	ALL	F555W		1	8øø	235Ø	1		1
0J287	8 54 48.8		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	ī
0J287	8 54 48.8		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	ī
0J287	8 54 48.8		FOS/RD	ACCUM	1.0	G19ØH	198ø	ĭ	894	2424	2		ī
0J287	8 54 48.8		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	228	2424	2		1
0J287	8 54 48.8	_	FOS/BL	ACCUM	1.0	G13ØH	1379		6954	2424	2		ī
Ø851+2Ø2INCA221-5Ø	8 54 48.9		FGS	POS	2	F55ØW	20.0	ī	51	286Ø	ī		3
UGC-4666	8 55 34.5	_	WFC	IMAGE	ĀLL	F555W		ī	300	2775	ī		Ĭ
UGC-4868	8 55 34.5		WFC	IMAGE	ALL	F785LP		ī	300	2775	ī		
3C212.Ø	8 58 41.5		PC	IMAGE	ALL	F6Ø6W			1200	2488	ī		
WDØ856+331	8 59 15.1		PČ	IMAGE	P8	F439W		ī	10	2579	ī		1
WDØ856+331	8 59 15.1	–	PC	IMAGE	P5	F336W		î	46	2579	i		i
WDØ856+331	8 59 15.1		PC	IMAGE	P5	F439W		î	19	2579	ī		j
WDØ856+331	8 59 15.1		PC	IMAGE	P5	F555W		i	5	2579	ī		j
WDØ856+331	8 59 15.1		PC	IMAGE	P6	F336W		1	43	2579	ī		
WDØ856+331	8 59 15.1		PC	IMAGE	P8	F439W		i	21	2579	ī		i
WDØ856+331	8 59 15.1		PC	IMAGE	P8	F336W		i	18	2579	1		;
WDØ856+331	8 59 15.1		PC	IMAGE	P5	F785LP		i	34	2579	1		:
WDØ856+331	8 59 15.1		PC	IMAGE	P7	F785LP		1	38	2579	i		:
			PC						36 34		1		1
WDØ856+331		· ·		IMAGE	P8	F785LP	,	1		2579 2579	_		
WDØ858+331	8 59 15.1		PC	IMAGE	P6	F555W		1	5		1		
WDØ856+331	8 59 15.1		PC	IMAGE	P7	F336W		1	41	2579	1		
WDØ856+331	8 59 15.1		PC	IMAGE	P7	F439W		1	15	2579	1		3
WDØ856+331	8 59 15.1		PC	IMAGE	P7	F555W		1	5 4	2579	1		
WDØ856+331	8 59 15.1		PC	IMAGE	P8	F555W		1	•	2579	1		
WDØ856+331	8 59 15.1		PC	IMAGE	P6	F785LP	1 400	1	32	2579	1		1
HD77581	9 2 6.9		FOS/BL	RAPID	1.0	G13ØH	1400		246Ø	2572	1	4.00	
HD77581		-40 33 15	FOS/BL	ACQ/PEAK		G13ØH	1400	1	Ø	2572	1	ACQ	
TPYX	9 4 41.8		PC DC	IMAGE	ALL-ND	F555W		1	180	2688	1		3
TPYX	9 4 41.8		PC	IMAGE	ALL-ND	F469N			19Ø3	2688	1		3
TPYX	9 4 41.5		PC	IMAGE	ALL-ND	F487N			1903	2688	1		3
TPYX	9 4 41.8		PC	IMAGE	ALL-ND	F5Ø2N			1903	2688	1		3
Ø9Ø2+34	9 5 30.1		PC	IMAGE	ALL	F547M			2300	2438	1		1
Ø9Ø2+34	9 5 30.1		PC	IMAGE	ALL	F7Ø2W	4 44 44 44		2300	2438	1		1
3C215	9 6 31.9		FOS/RD	ACCUM	1.0	G4ØØH	4000		1140	2578	2		1
3C215	9 6 31.9		FOS/RD	ACCUM	1.0	G19ØH	1900		5220	2578	2		
3C215	9 6 31.9		FOS/RD	ACCUM	1.0	G27ØH	2700		1440	2578	2	4.00	
3C215	9 6 31.9		FOS/BL	ACQ/BINA		MIRROR		1	14	2578	2	ACQ	
3C215	9 8 31.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	
3C215	9 6 31.9		FOS/BL	ACCUM	1.0	G13ØH	1300		722Ø	2578	2		
PKSØ9Ø6+Ø1	9 9 10.1		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	
PKSØ9Ø6+Ø1	9 9 10.1		FOS/BL	ACCUM	1.0	G16ØL	1837	_	1122	2424	1		
3C216	9 9 33.8		FOS/RD	ACCUM	1.0	G4ØØH	4000	_	1200	2578	2		1
3C216	9 9 33.8		FOS/RD	ACCUM	1.0	G19ØH	1900		276Ø	2578	2		:
3C216	9 9 33.8		FOS/RD	ACCUM	1.0	G27ØH	2700		1500	2578	2		
3C216	9 9 33.5		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	,
ES0-0909-1954		7 -20 7 4	WFC	IMAGE	ALL	F555W		1	300	2775	1		
ES0-0909-1954	9 11 54.7	7 - 20 7 4	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	MIRROR-A1		1	2	2537	1		:
HD8ØØØ7	9 13 12.1		HRS	ACCUM	Ø.25	G16ØM	1859	1	8Ø	2537	1		1
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	ECH-A	1859	1	72Ø	2537	1		1
HD8ØØØ7		-69 43 2	HRS	ACCUM	Ø.25	ECH-B	2854	1	54	2537	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	ECH-A	1547	1	72Ø	2537	1		1
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	ECH-B	2345	1	216	2537	1		1
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	ECH-A	1667	1	968	2537	1		1
HD8ØØØ7	9 13 12.1	-69 43 2	HRS	ACCUM	Ø.25	ECH-B	2596	1	93Ø	2537	1		1
PCØ91Ø+5825	9 14 37.9	56 13 22	WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1		1
PCØ91Ø+5625	9 14 37.9	58 13 22	WFC	IMAGE	ALL	F7Ø2W		1	800	2350	1		1
ES0-Ø915-22Ø8	9 17 52.3	-22 21 20	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-Ø915-22Ø8	9 17 52.3	-22 21 20	WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
UGC-4936	9 20 20.0	64 6 10	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-4936	9 20 20.0		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC2841UB3	9 22 1.6		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
NGC2841UB3	9 22 1.6		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
NGC2841UB3	9 22 1.6		F0S/BL	ACCUM	1.0	G16ØL	1837	1	576	2424	3		1
NGC2841UB3	9 22 1.6		FOS/RD	ACCUM	1.0	G27ØH	2753	1	576	2424	3		1
NGC2841UB3	9 22 1.6		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1674	2424	3		1
NGC2841	9 22 2.7		PC	IMAGE	ALL	F555W		1	3Ø	2600	2		1
NGC2841	9 22 2.7		PC	IMAGE	ALL	F555W		1	300	2600	2		1
NGC2841	9 22 2.7		PC	IMAGE	ALL	F785LP		1	23	2600	2		1
NGC2841	9 22 2.7		PC	IMAGE	ALL.	F785LP		1	23Ø	2600	2		1
250921-630		-63 17 39	FOS/BL	ACQ/BINA		MIRROR		1	11	2248	1	ACQ	1
250921-830		-63 17 39	FOS/RD	ACQ/BINA		MIRROR	4.00	1	11	2248	1	ACQ	. 1
250921-630		-63 17 39	FOS/RD	ACCUM	1.0	G19ØH	1980	1	700	2248	1		1
250921-630		7 -63 17 39 7 -63 17 39	FOS/BL FOS/RD	ACCUM ACCUM	1.0	G13ØH	1379		1100	2248	1		1
2SØ921-63Ø PKSØ922+14	9 22 34.7 9 25 7.3		FOS/BL		1.0	G27ØH Mirror	2755	1	240	2248	1	400	1
PKSØ922+14 PKSØ922+14	9 25 7.3		FOS/BL	ACQ/BINA ACCUM	1.0	G16ØL	1027	1	11	2424	2	ACQ	1
B2Ø923+39	9 27 3.0		FOS/RD	ACCUM	1.0	G4ØØH	1837 4000		1080	2424 2578	2		1 1
B20923+39	9 27 3.0		FOS/RD	ACCUM	1.0	G19ØH	1900	1	84Ø 198Ø	2578	1		1
B2Ø923+39	9 27 3.0		FOS/RD	ACQ/BINA		MIRROR	1300	i	11	2578	1	ACQ	i
B20923+39	9 27 3.0		FOS/RD	ACCUM	1.0	G27ØH	27ØØ	_	1019	2578	ī	ncq	i
PKSØ925-2Ø3	9 27 51.9		F0\$/BL	ACQ/BINA		MIRROR	2.00	i	11	2424	3	ACQ	ī
PKSØ925-2Ø3	9 27 51.9		FOS/RD	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	ī
PKSØ925-2Ø3	9 27 51.9		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	618	2424	3		ī
PKSØ925-2Ø3	9 27 51.9		FOS/BL	ACCUM	1.0	G13ØH	1379	_	3Ø68	2424	3		ī
PKSØ925-2Ø3	9 27 51.9		FOS/RD	ACCUM	1.0	G19ØH	198ø		1692	2424	3		ĩ
ES0-Ø931-3248	9 33 21.2	-33 2 4	WFC [*]	IMAGE	ALL	F555W		ī	3ØØ	2775	1		1
ES0-Ø931-3248	9 33 21.2	-33 2 4	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
IZWICKY18	9 34 1.9	55 14 51	PC	IMAGE	ALL	F194W		1	3000	2416	1		1
IZWICKY18	9 34 1.9	55 14 51	PC	IMAGE	ALL	F336W		1	3000	2416	1		1
IZWICKY18	9 34 1.9	55 14 51	PC	IMAGE	ALL	F7Ø2W		1	9ØØ	2418	1		1
IZWICKY18	9 34 1.9	55 14 51	PC	IMAGE	ALL	F555W		2	600	2416	. 1		1
IZWICKY18	9 34 1.9	55 14 51	PC	IMAGE	ALL	F439W		2	1500	2418	1		1
IZWICKY18	9 34 1.9		WFC	IMAGE	ALL	F547M		1	600	2416	1		1
IZWICKY18	9 34 1.9		WFC	IMAGE	ALL	F658N		1	3000	2416	1		1
IZWICKY18	9 34 1.9		WFC	IMAGE	ALL	F5Ø2N		_	2500	2416	1		1
IZW18	9 34 2.0		HRS	ACCUM	2.0	G14ØM	1216		798Ø	2078	1		1
IZW18	9 34 2.0		HRS	ACCUM	2.0	G14ØM	1304	_	798Ø	2Ø78	1		1
US737	9 35 2.5		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
US737	9 35 2.5		FOS/RD	ACQ/BINA		MIRROR		1	11	2424		ACQ	1
US737	9 35 2.5		FOS/RD	ACCUM	1.0	G27ØH	2753	1	468	2424	2		1
US737	9 35 2.5		FOS/BL	ACCUM	1.0	G13ØH	1379		Ø956	2424	2		1
US737	9 35 2.5	43 31 12	FOS/RD	ACCUM	1.0	G19ØH	1980	1	1326	2424	2		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
LP462-56A	9 37 3.9	-37 20 31	FOS/RD	ACCUM	1.0	G27ØH	2700	1	6ØØ	2593	2		1
LP462-56B		-37 20 31	FOS/RD	ACCUM	1.0	G27ØH	2700	î	900	2593	2		
GAL-CLUS-Ø93942+4713							2100	3					1
	3 42 00.0	46 58 50	WFC	IMAGE	ALL	F814W		3	2300	2373	1		1
-FLD1	0 40 50 0	40 50 50	wee	T144.0E	44.1	ereew			0000	0070			_
GAL-CLUS-Ø93942+4713	9 42 58.6	46 58 50	WFC	IMAGE	ALL	F555W		4	2300	2373	1		1
-FLD1	0 40 44 4		uma	T141.05		501 AW		_			_		_
GAL-CLUS-Ø93942+4713	9 43 11.1	46 58 49	WFC	IMAGE	ALL	F814W		3	2300	2373	2		1
-FLD2	0 40 11 1	40 50 40	urc	T114.05		FFFFW			0000	0070	_		
GAL-CLUS-Ø93942+4713	9 43 11.1	46 58 49	WFC	IMAGE	ALL	F555W		4	2300	2373	2		1
-FLD2	0 45 00 4			7144.05		eeeew					_		_
ES0-Ø943-3Ø57		-31 11 29	WEC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-0943-3057	9 45 38.4		WFC	IMAGE	ALL	F785LP		1	300	2775	1		. 1
4C40.24	9 48 55.3		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
4C40.24	9 48 55.3		FOS/BL	ACCUM	1.0	G16ØL	1837	1	1Ø98	2424	3		1
Ø95Ø+139	9 52 59.Ø		F0C/96	IMAGE	512X512	F486N		1	300	257Ø	1		1
Ø95 <b>Ø+1</b> 39	9 52 59.0		F0C/98	IMAGE	512X512	F5Ø1N		1	300	257Ø	1		1
PGØ95Ø+139	9 52 59.0	13 44 34	FOS/BL	ACCUM	1.0	G13ØH	138Ø	1	84	2593	1		1
PGØ95Ø+139	9 52 59.0	13 44 34	F0S/BL	ACCUM	1.0	G27ØH	2700	1	144	2593	1		1
PGØ95Ø+139	9 52 59.0	13 44 34	FOS/BL	ACCUM	1.0	G19ØH	1944	1	9Ø	2593	1		1
PGØ95Ø+139	9 52 59.0	13 44 34	F0S/BL	ACQ/BINA	4.3	MIRROR		1	7	2593	1	ACQ	1
PSRØ95Ø+Ø8	9 53 9.3	7 55 37	F0C/48	IMAGE	512X512	F18ØLP		1	216Ø	2014	1	•	1
PKSØ952+179	9 54 56.8	17 43 31	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
PKSØ952+179	9 54 56.8	17 43 31	FOS/BL	ACCUM	1.0	G16ØL	1837	1	1116	2424	1		1
NGC3Ø31-FIELD	9 55 9.1		WFC	IMAGE	ALL	F336W		1	600	2227	1		4
NGC3Ø31-FIELD	9 55 9.1		WFC	IMAGE	ALL	F555W		ī	600	2227	1		26
NGC3Ø31-FIELD	9 55 9.1		WFC	IMAGE	ALL	F785LP		1	600	2227	ī		8
NGC3Ø31-FIELD	9 55 9.1		F0C/48	IMAGE	512X1Ø24	F15ØW		1	600	2227	1	PAR	24
NGC3Ø31-FIELD	9 55 9.1		F0C/48	IMAGE	512X1Ø24	F43ØW		1	600	2227	1	PAR	6
NGC3Ø31-FIELD	9 55 9.1		F0C/48	IMAGE	512X1Ø24	F15ØW		2	600	2227	1	PAR	2
NGC3Ø31-FIELD	9 55 9.1		F0C/48	IMAGE	512X1Ø24	F43ØW		2	600	2227	1	PAR	2
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F336W		1 1	0000	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F439W		1	400	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F547M		ī	500	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F814W		1	2Ø	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F814W		ī	8Ø	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F336W		ī	2500	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F439W		ĭ	1600	2389	ī		ī
NGC3Ø34	9 55 52.6		PC	IMAGE	P5	F547M		1	125	2389	ī		ī
PGØ953+415	9 56 52.5		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	3	ACQ	ī
PGØ953+415	9 56 52.5		FOS/BL	ACCUM	1.0	G13ØH	1379	ī	756	2424	3	,,,,	ī
CBS-114	9 57 49.6	-	FOS/BL	ACCUM	1.0	G19ØH	1944	ī	900	2593	2		î
3C232	9 58 21.0		FOS/BL	ACQ/BINA		MIRROR	4011	ī	11	2424	3	ACQ	ī
3C232	9 58 21.Ø		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	3	ACQ	i
3C232	9 58 21.Ø		FOS/RD	ACCUM	1.0	G19ØH	198ø	ī	87Ø	2424	3	ACQ	i
3C232	9 58 21.Ø		FOS/BL	ACCUM	1.0	G13ØH	1379	-	1856	2424	3		ī
PKSØ957+ØØ	10 0 17.7	Ø 5 23	FOS/BL	ACQ/BINA		MIRROR	1313	1	11	2424	2	ACQ	î
PKSØ957+ØØ	10 0 17.7			ACCOM ACCOM		G16ØL	1837	1	762	2424		ACU	1
NGC3Ø73-UB2			FOS/BL		1.0		163/	_			2	ACO	1
NGC3Ø73-UB2			FOS/BL	ACQ/BINA		MIRROR	1400	1	11	2644	1	ACQ	
	10 1 10.4		FOS/BL	ACCUM	1.0	G13ØH	1429	1	4000	2644	1	4.00	1
NGC3Ø73-UB4	10 2 5.6		FOS/BL	ACQ/BINA		MIRROR	1.400	1	11	2644	1	ACQ	1
NGC3Ø73~UB4	10 2 5.6		FOS/BL	ACCUM	1.0	G13ØH	1429	1	5300	2644	1		1
UGC-5398	10 3 19.5	68 44 Ø	WFC	IMAGE	ALL	F555W		1	300	2775	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
UGC-5398	10 3 19.5	68 44 Ø	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
T0N28	10 4 2.6	28 55 35	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
T0N28	10 4 2.6	28 55 35	FOS/RD	ACQ/BINA	4.3	MIRROR ·		1	9	2424	1	ACQ	1
TON28	10 4 2.6	28 55 35	FOS/BL	ACCUM	1.0	G13ØH	1379	1	7008	2424	1		1
TON28	10 4 2.6	28 55 35	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1002	2424	1		1
TON28	10 4 2.6	28 55 35	FOS/RD	ACCUM	1.0	G27ØH	2753	1	365	2424	1		1
NGC3115-NUC1	10 5 13.1	-7 44 26*		ACCUM	Ø.25-PAIR-B	G57ØH	5700	1	396Ø	2600	1		1
NGC3115-NUC2	10 5 13.1	-7 44 26*		ACCUM	Ø.25-PAIR-B	G57ØH	5700	1	5400	2600	1		1
NGC3115-NUC3	10 5 13.1	-7 44 26*	,	ACCUM	Ø.25-PAIR-B	G57ØH	5700	1	2700	2600	1		1
NGC3115-OFFSET	10 5 13.1	-7 44 26	FOS/RD	ACQ/BINA		MIRROR		1	1	2600	1	ACQ	1
NGC3115-MID	10 5 13.5	-7 43 48 7 43 49	WFC	IMAGE	ALL	F555W		1	5	2600	1	ACQ	1
NGC3115-MID NGC3115	10 5 13.5 10 5 13.9	-7 43 48 -7 43 11	WFC PC	IMAGE	ALL	F555W		1	Ø	2600	1	ACQ	1
NGC3115 NGC3115	10 5 13.9	-7 43 11 -7 43 11	PC	IMAGE	ALL	F555W		1 1	12 12Ø	26ØØ 26ØØ	1	ACQ	1
NGC3115	10 5 13.9	-7 43 11 -7 43 11	PC	IMAGE IMAGE	ALL	F555W F785LP		1	10	2600	1 1	ACQ ACQ	1 1
NGC3115	10 5 13.9	-7 43 11	PC	IMAGE	ALL	F785LP		1	100	2600	1	ACQ	1
NGC3115	10 5 13.9		PC	IMAGE	ALL			1	700	2600	1	ACQ	1
PAL3	10 5 31.3	Ø 4 58	PC	IMAGE	ALL	F785LP F555W		i	30	2559	1	ACQ	2
PAL3	10 5 31.3	Ø 4 58	PČ	IMAGE	ALL	F791W		î	3Ø	2559	ī		2
PAL3	10 5 31.3	Ø 4 58	PC	IMAGE	ALL	F555W		i	2340	2559	î		3
PAL3	10 5 31.3	Ø 4 58	PC	IMAGE	ALL	F791W		ī	2340	2559	ī		3
3C236.Ø	10 6 1.7	34 54 11	PC	IMAGE	ALL	F6Ø6W		2	600	2488	ī		ĭ
OY-CAR	10 6 22.5	-70 14 5	FOS/BL	ACQ/BINA	_	MIRROR		1	10	238Ø	1	ACQ	14
OY-CAR	10 6 22.5	-7Ø 14 5	FOS/BL	RAPID	1.0	G16ØL	1837	1	1440	238Ø	1	•	14
1004+130	10 7 28.1	12 48 56	HRS	ACCUM	2.0	G16ØM	1562	10	575	2553	1		1
3C237.Ø	10 8 0.0	7 30 17	PC	IMAGE	ALL	F6Ø6W		1	1200	2488	1		1
4C41.21	10 10 27.5	41 32 38	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
4C41.21	10 10 27.5	41 32 38	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
4C41.21	10 10 27.5	41 32 38	FOS/BL	ACCUM	1.0	G16ØL	1837	1	468	2424	2		1
4C41.21	10 10 27.5		FOS/RD	ACCUM	1.0	G27ØH	2753	1	420	2424	2		1
4C41.21	10 10 27.5	41 32 38	FOS/RD	ACCUM	1.0	G19ØH	198ø	1	1254	2424	2		1
1011-040	10 14 20.6	-4 18 41	HRS	ACCUM	2.0	G27ØM	28Ø7	4	440	2553	1		1
ES0-1012-2837 ES0-1012-2837		-28 52 26	WFC WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-5557	10 14 41.7 10 18 16.8	-28 52 26 41 25 27	WFC	IMAGE IMAGE	ALL ALL	F785LP		1	3ØØ 3ØØ	2775	1		1 1
UGC-5557	10 18 16.8	41 25 27	WFC	IMAGE	ALL	F555W F785LP		1 1	300 300	2775 2775	1		1
NGC3198-FIELD	10 10 10.0	45 31 12	WFC	IMAGE	ALL	F336W		1	2500	2227	i		2
NGC3198-FIELD	10 19 46.9	45 31 12	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC3198-FIELD	10 19 46.9	45 31 12	WFC	IMAGE	ALL	F785LP		i	2500	2227	î		4
NGC3198-FIELD	10 19 46.9		F0C/48	IMAGE	512X1Ø24	F15ØW		ī	2500	2227	ī	PAR	12
NGC3198-FIELD	10 19 46.9		F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2500	2227	ī	PAR	3
NGC3198-FIELD	10 19 46.9	45 31 12	F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	ī	PAR	1
NGC3198-FIELD	10 19 46.9		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
UGC-5572	10 19 54.7	45 33 4	WFC [*]	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-5572	10 19 54.7	45 33 4	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
Q1Ø17+28Ø	10 19 54.9	27 45 55	PC	IMAGE	ALL	F555W		1	200	2350	1		1
Q1Ø17+28Ø	10 19 54.9	27 45 55	PC	IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1
B21Ø19+3Ø	10 22 30.3	30 41 5	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
B21Ø19+3Ø	10 22 30.3	3Ø 41 5	FOS/BL	ACCUM	1.0	G16ØL	1837	1	1134	2424	3		1
B21020+40	10 23 11.7	39 48 17	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
B21020+40	10 23 11.7	39 48 17	FOS/BL	ACCUM	1.0	G16ØL	1837	1	1080	2424	3		1
4C19.34	10 24 44.7	19 12 20	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1

			Inst.	Operating		Spectral	Central	No.	Exp.		Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.		Time	ID	Cy. Req.	Lines
•												
4C19.34	10 24 44.7	19 12 20	FOS/BL	ACCUM	1.0	G16ØL	1837	1	624	2424	3	1
ES0-1Ø26-3121	10 28 53.6	3 -31 36 38	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ES0-1026-3121	10 28 53.6	-31 36 38	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
ES0-1027-4350	10 29 12.8	3 -44 7 21	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1	1
ES0-1027-4350	10 29 12.8	3 -44 7 21	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
HD91316	10 32 48.6	9 18 24	HRS	RAPID	2.0	G2ØØM	1829	1	7Ø	2544	1	4
HDØ91316	1Ø 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1548	1	36	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-A	1122	1	45	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-B	1744	1	78	2251	1	1
HDØ91316	1Ø 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	27	2251	1	1
HDØ91316	1Ø 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-A	1159	1	33	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-A	1303	1	42	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	51	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1547	1	36	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1548	1	36	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-B	2323	1	16	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-B	2324	1	16	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-B	2325	1	18	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1251	1	14	2251	1	2
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1252	1	14	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1334	1	17	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	ACCUM	Ø.25	ECH-A	1333	1	17	2251	1	2
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-A	1192	1	38	2251	1	1
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-B	1827	1	60	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-B	2058	1	42	2251	1	1
HDØ91316	10 32 48.7	9 18 24	HRS	WSCAN	Ø.25	ECH-A	1240	1	54	2251	1	1
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-A	1357	1	85	2251	1	1
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-A	1391	1	99	2251	1	1
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-A	1279	1	33	2251	1	1
HDØ91316	10 32 48.7		HRS	WSCAN	Ø.25	ECH-B	2025	1	42	2251	1	1
WD1031-114		1 -11 41 44	PC	IMAGE	P5	F336W		1	3	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P5	F555W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P6	F555W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P7	F555W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P8	F439W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P5	F439W		1	1	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P8	F336W		1	1	2579	1	1
WD1Ø31-114		-11 41 44	PC	IMAGE	P.7	F785LP		1	3	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P6	F336W		1	2	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P6	F439W		1	1	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P7	F336W		1	2	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P7	F439W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P8	F555W		1	Ø	2579	1	1
WD1031-114		-11 41 44	PC PC	IMAGE	P5	F785LP		1	2	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P6	F785LP		1	2	2579	1	1
WD1031-114		-11 41 44	PC	IMAGE	P8	F785LP	1050	1	2	2579	1	1
PG1034+001	10 37 3.9		HRS	ACCUM	2.0	G16ØM	1258	1	300	2593	1	1
PG1034+001	10 37 3.9		HRS	ACCUM	2.0	G14ØL	1293	1	210	2593	1	1
PG1034+001	10 37 3.9		HRS	ACCUM	2.0	G14ØL	1556	1	144	2593	1	1
ES0-1035-2503	10 37 25.3	_	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ESO-1035-2503		3 -25 19 12	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1 2
NGC3319-FIELD	10 39 9.5	41 41 12	WFC	IMAGE	ALL	F336W		1	2500	2227	1	Z

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Target	RA (2000)	Dec (2000)	Inst.	Operating	A	Spectral	Central	No.	Exp.	TD	<b>C</b>	Spec.	Total
rangec	KA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp	. Time	ID	Cy.	Req.	Lines
NGC3319-FIELD	10 39 9.5		WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC3319-FIELD	10 39 9.5		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC3319-FIELD	10 39 9.5		FOC/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC3319-FIELD	10 39 9.5		FOC/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC3319-FIELD	10 39 9.5		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC3319-FIELD	10 39 9.5	_	F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
NGC3319-FLD2	10 39 9.6		WFC	IMAGE	ALL	F336\		1	2500	2227	1		2
NGC3319-FLD2	10 39 9.6		WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC3319-FLD2	10 39 9.6		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC3319-FLD2	10 39 9.6		F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC3319-FLD2	10 39 9.6		F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC3319-FLD2	10 39 9.6		FOC/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC3319-FLD2	10 39 9.6		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
INCA221-6Ø	10 41 1.3		FGS	POS	2	F583W		1	51	2861	1		2
1038+084INCA221-60	10 41 17.2		FGS	POS	2	F583W		1	51	2861	1		3
4008.41	10 41 17.2		FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
4008.41	10 41 17.2		FOS/BL	ACCUM	1.0	G16ØL	1837	1	522	2424	3		1
P0INT1Ø38+Ø64INCA221	10 41 39.6	5 5 5 9	S/C	POINTING	V1			1	Ø	2861	1		1
-60													
3C245.Ø	10 42 44.7		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C245.Ø	10 42 44.7		FOS/BL	ACCUM	1.0	G16ØL	1837	1	654	2424	3		1
UGC-584Ø	10 43 31.0		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-584Ø	10 43 31.0		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC3351-FIELD	10 43 57.6		WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC3351-FIELD	10 43 57.6		WFC	IMAGE	ALL	F555W		1	25ØØ	2227	1		13
NGC3351-FIELD	10 43 57.6		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC3351-FIELD	10 43 57.6		F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC3351-FIELD	10 43 57.6	,	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC3351-FIELD	10 43 57.6		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC3351-FIELD	10 43 57.6		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
HD933Ø8-CX	10 45 3.6		,	ACCUM	Ø.1-PAIR-B	G19ØH	2000	1	720	2338	1		1
HD933Ø8-CX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G13ØH	1400	1	1180	2338	1		1
HD933Ø8-CX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G27ØH	2600	1	120	2338	1		1
HD933Ø8-CX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G4ØØH	4200	1	24Ø	2338	1		1
HD933Ø8-CX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G57ØH	4800	1	240	2338	1		1
HD933Ø8-DX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G19ØH	2000	1	720	2338	1		1
HD933Ø8-DX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G13ØH	1400	1	1180	2338	1		1
HD933Ø8-DX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G27ØH	2600	1	120	2338	1		1
HD933Ø8-DX			FOS/BL	ACCUM	Ø.1-PAIR-B	G4ØØH	4200	1	240	2338	1		1
HD933Ø8-DX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G57ØH	4800	1	240	2338	1		1
HD933Ø8-BX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G19ØH	2000	1	720	2338	1		1
HD933Ø8-BX			FOS/BL	ACCUM	Ø.1-PAIR-B	G13ØH	1400	1	118Ø	2338	1		1
HD933Ø8-BX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G27ØH	2600	1	120	2338	1		1
HD933Ø8-BX	10 45 3.6			ACCUM	Ø.1-PAIR-B	G4ØØH	4200	1	240	2338	1		1
HD933Ø8-BX	10 45 3.6		FOS/BL	ACCUM	Ø.1-PAIR-B	G57ØH	4800	1	240	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		PC	IMAGE	P6	F469N	2500	1	Ø	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		PC	IMAGE	P6	F284W F336W	3165	1	1	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		FOS/BL	ACCUM	Ø.5-PAIR-B	G19ØH	2000	1	30	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		FOS/BL	ACCUM	Ø.25-PAIR-B	G19ØH	2000	1	3Ø	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		FOS/BL	ACCUM	Ø.5-PAIR-B	G13ØH	1400	1	3Ø	2338	1		1
HD933Ø8-A-OFFSET	10 45 3.6		FOS/BL	ACCUM	Ø.25-PAIR-B	G13ØH	1400	1	3Ø	2338	1	1.00	1
HD933Ø8-A-OFFSET	10 45 3.6	5 -59 41 4	FOS/BL	ACU/PEAK	Ø.1-PAIR-B	G57ØH	4710	1	1	2338	1	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
HD933Ø8-A-OFFSET	10 45 3.6	5 -59 41 4	FOS/BL	ACQ/PEAK	1.Ø-PAIR-B	G57ØH	4710	1	ø	2338	1	ACQ	1
HD933Ø8-A-OFFSET	10 45 3.6	-59 41 4	FOS/BL		Ø.1-PAIR-B	G57ØH	4710	1	1	2338	1	ACQ	1
HD933Ø8-A-OFFSET	10 45 3.6	-59 41 4	FOS/BL		Ø.25-PAIR-B	G57ØH	4710	1	Ø	2338	1	ACQ	ī
HD933Ø8-AX	10 45 3.6	-59 41 4*	FOS/BL	ACCUM	Ø.1-PAIR-B	G19ØH	2000	1	36Ø	2338	1	•	1
HD933Ø8-AX	10 45 3.6	-59 41 4*	FOS/BL	ACCUM	Ø.1-PAIR-B	G13ØH	1400	1	900	2338	1		1
HD933Ø8-AX	10 45 3.8	-59 41 4*	FOS/BL	ACCUM	Ø.1-PAIR-B	G27ØH	2600	1	3Ø	2338	1		1
HD933Ø8-AX	10 45 3.6	-59 41 4*	FOS/BL	ACCUM	Ø.1-PAIR-B	G4ØØH	4200	1	12Ø	2338	1		1
HD933Ø8-AX	10 45 3.6	-59 41 4*	FOS/BL	ACCUM	Ø.1-PAIR-B	G57ØH	4800	1	12Ø	2338	1		1
1042+178	10 45 14.3	17 35 48	WFC	IMAGE	ALL	F555W		1	100	235Ø	1		1
1042+178	10 45 14.3		WFC	IMAGE	ALL	F555W		1	500	235Ø	1		1
1042+178	10 45 14.3		WFC	IMAGE	ALL	F555W		1	2000	235Ø	1		1
1042+178	10 45 14.3		WFC	IMAGE	ALL	F785LP		1	500	235Ø	1		1
1042+178	10 45 14.3		WFC	IMAGE	ALL	F785LP			2000	235Ø	1		1
LP93-21	10 46 4.0		FOS/RD	ACCUM	1.0	G27ØH	2700		2400	2593	2		1
UGC-5873	10 46 37.0		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-5873	10 46 37.0	<b>-</b> ·	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
UGC-5882	10 46 45.5		WFC	IMAGE	ALL	F555 <b>W</b>		1	300	2775	1		1
UGC-5882	10 46 45.5		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC3377-NUC1	10 47 36.0			ACCUM	Ø.25-PAIR	G57ØH	5700	_	6179	2600	2		1
NGC3377-NUC2	10 47 36.0			ACCUM	Ø.25-PAIR-B	G57ØH	5700		1440	2600	2		1
NGC3377-NUC3	16 47 36.6		FOS/RD	ACCUM	Ø.25-PAIR-B	G57ØH	5700		1440	2600	2		1
NGC3377-OFFSET	10 47 36.0		FOS/RD	ACQ/BINA		MIRROR		1	12	2600	2	ACQ	1
NGC3377-MID	10 47 39.2		WFC	IMAGE	ALL	F555W		1	1	2600	2	ACQ	1
NGC3377	10 47 42.3		PC	IMAGE	ALL	F555W		1	5	2600	1	ACQ	1
NGC3377	10 47 42.3		PC PC	IMAGE	ALL	F555W		1	5Ø	2600	1	ACQ	1
NGC3377	10 47 42.3 10 47 42.3		PC PC	IMAGE	ALL	F785LP		1	4	2600	1	ACQ	1
NGC3377 NGC3384-NUC1	10 47 42.3			IMAGE ACCUM	ALL Ø.25-PAIR-B	F785LP G57ØH	5700	1	4Ø 36ØØ	26ØØ 26ØØ	1 2	ACQ	1
NGC3384-NUC2	10 48 17.1			ACCUM	0.25-PAIR-B	G57ØH	57ØØ		4980	2600	2		1 1
NGC3384-NUC3	10 48 17.1			ACCUM	Ø.25-PAIR-B	G57ØH	5700 5700	_	4980	2600	2		1.
NGC3384-OFFSET	10 48 17.1		FOS/RD	ACQ/BINA		MIRROR	5700	1	7	2600	2	ACQ	ī
NGC3384-MID	10 48 17.1		WFC	IMAGE	ALL	F555W		î	. 4	2600	2	ACQ	i
NGC3384-MID	10 48 17.1		WFC	IMAGE	ALL	F555W		i	ø	2600	2	ACQ	i
NGC3393	10 48 23.6		PC	IMAGE	ALL	F5Ø2N		i	8ø	2306	1	ACQ	î
NGC3393	10 48 23.6		PC	IMAGE	ALL	F664N		i	6ø	23Ø6	ī	ACQ	ī
NGC3393	10 48 23.6		PC	IMAGE	ALL	F23ØW		ī	430	23Ø6	ī	ACQ	ī
NGC3393	10 48 23.6		PC -	IMAGE	ALL	F547M		ī	155	23Ø6	ī	ACQ	ī
NGC3393-NUC	10 48 23.6	-25 9 41	HRS	ACCUM	2.0	G14ØM	1231	-	1000	23Ø6	1		ī
NGC3393-NUC	10 48 23.6	-25 9 41	HRS	ACCUM	2.0	G16ØM	1568	_	1800	23Ø6	1		ī
NGC3393-NUC	10 48 23.6	-25 9 41	HRS	ACCUM	Ø.25	G14ØM	1231		1000	23Ø6	ī		ī
NGC3393-NUC	10 48 23.6	-25 9 41	FOS/RD	ACCUM	Ø.3	G27ØH	2753		2000	23Ø6	1		1
NGC3393-NUC	10 48 23.6	-25 9 41	FOS/BL	ACCUM	Ø.3	G13ØH	1379	1	4400	23Ø6	1		1
NGC3393-NUC	10 48 23.6	-25 9 41	FOS/BL	ACCUM	Ø.3	G19ØH	1944	1	3500	23Ø6	1		. 1
NGC3393-NUC	10 48 23.6	-25 9 41	FOS/RD	ACCUM	Ø.3	G4ØØH	4013	1	1700	23Ø6	1		1
NGC3393-NUC	10 48 23.6	-25 9 41	FOS/RD	ACCUM	Ø.3	G57ØH	5691	1	75Ø	23Ø6	1		1
NGC3393-NUC	10 48 23.6		F0C/48	SPEC	256X1Ø24-SLIT	G15ØM			9964	23Ø6	1		1
NGC3393-NUC	10 48 23.6		F0C/48	SPEC	256X1Ø24-SLIT	G45ØM		1	3299	23Ø6	1		1
NGC3393-OFFSET	10 48 23.6		FOS/BL	ACQ/BINA	4.3	MIRROR		1	3	23Ø6	1	ACQ	1
NGC3393-EARLY	10 48 27.1		WFC	IMAGE	ALL	F547M		1	Ø	23Ø6	1	ACQ	1
PKS1Ø49-Ø9	10 51 29.9		WFC	IMAGE	ALL	F785LP		1	5ØØ	2425	1		1
PKS1Ø49-Ø9	10 51 29.9		WFC	IMAGE	ALL	F785LP		1	2300	2425	1		1
PKS1Ø49-Ø9	10 51 29.9	9 18 9	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1

Fixed	Targets
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Ex Exp. Ti		Cy.	Spec. Req.	Total Lines
PKS1Ø49-Ø9	10 51 29.9	9 -9 18 9	FOS/RD	ACQ/BINA		MIRROR		1 1	2424	3	ACQ	1
PKS1Ø49-Ø9	10 51 29.9	9 -9 18 9	FOS/BL	ACCUM	1.0	G16ØL	1837	1 58	3 2424	3		1
PKS1Ø49-Ø9	10 51 29.9	9 -9 18 9	FOS/RD	ACCUM	1.0	G27ØH	2753	1 75	3 2424	3		1
PKS1Ø49-Ø9	10 51 29.9		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 206	2424	3		1
PG1049-005	10 51 51.8		FOS/BL	ACQ/BINA		MIRROR		1 1	L 2424	3	ACQ	1
PG1049-005	10 51 51.5		FOS/RD	ACQ/BINA		MIRROR		1 1			ACQ	1
PG1049-005	10 51 51.5		FOS/BL	ACCUM	1.0	G13ØH	1379	1 732				1
PG1Ø49-ØØ5	10 51 51.5		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 100				1
PG1049-005	10 51 51.5		FOS/RD	ACCUM	1.0	G27ØH	2753	1 36		_		1
4061.20	10 52 32.7		FOS/BL	ACQ/BINA	4.3	MIRROR		1 1			ACQ	1
4061.20	10 52 32.7		FOS/RD	ACQ/BINA		MIRROR		1 1			ACQ	1
4061.20	10 52 32.7		FOS/RD	ACCUM	1.0	G19ØH	1980	1 79				1
4C61.2Ø	10 52 32.7		FOS/BL	ACCUM	1.0	G13ØH	1379	1 1275				1
PKS1055+20	10 58 17.9		FOS/BL	ACQ/BINA		MIRROR	1007	1 1			ACQ	1
PKS1055+20	10 58 17.9		FOS/BL WFC	ACCUM IMAGE	1.Ø ALL	G16ØL	1837	1 58				1
UGC-6079	11 Ø 24.1		WFC	IMAGE	ALL	F555W		1 30				1
UGC-6Ø79 4C72.18	11 Ø 24.1 11 1 48.8		WFC	IMAGE	ALL	F785LP F785LP		1 3Ø: 1 5Ø:				1
4C72.16 4C72.18	11 1 48.8		WFC	IMAGE	ALL	F785LP		1 5Ø: 1 24Ø:				1
ESO-1100-2249	11 3 22.7		WFC	IMAGE	ALL	F555W		1 30				i
ES0-1100-2249	11 3 22.7		WFC	IMAGE	ALL	F785LP		1 30				i
Q11Ø1-264		3 -26 45 15	PC	IMAGE	ALL	F555W		1 20				î
Q1101-264		3 -26 45 15	PČ	IMAGE	ALL	F555W		1 80		-		i
PKS11Ø1-325		3 -32 51 16	FOS/BL	ACQ/BINA		MIRROR		1 1		_	ACQ	ī
PKS11Ø1-325		3 -32 51 16	FOS/RD	ACQ/BINA		MIRROR		î î		-	ACQ	ī
PKS11Ø1-325		3 -32 51 16	FOS/RD	ACCUM	1.Ø	G27ØH	2753	1 57				ī
PKS11Ø1-325		3 -32 51 18	FOS/BL	ACCUM	1.0	G13ØH	1379	1 1215		_		ī
PKS11Ø1-325	11 3 31.3		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 155				1
3C249.1	11 4 13.8	76 58 58	WFC	IMAGE	ALL	F785LP		1 50	2425	1		1
3C249.1	11 4 13.8	3 76 58 58	WFC	IMAGE	ALL	F785LP		1 230	2425	1		1
3C249.1	11 4 13.8	3 76 58 58	FOS/BL	ACQ/BINA	4.3	MIRROR		1 1	L 2424	2	ACQ	1
3C249.1	11 4 13.8		FOS/RD	ACQ/BINA		MIRROR		1 1	2424	2	ACQ	1
3C249.1	11 4 13.8		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 83				1
3C249.1	11 4 13.8		FOS/BL	ACCUM	1.0	G13ØH	1379	1 37Ø				1
AN-UMA	11 4 25.7		HSP/VIS	PRISM	1.0	F551W/F24ØW		1 174				1
ST-LMI	11 5 39.7		HSP/VIS	PRISM	1.0	F551W/F24ØW		1 174				1
ST-LMI	11 5 39.8		FOS/BL	RAPID	1.0	G16ØL		1 168				1
ST-LMI	11 5 39.8		FOS/BL	RAPID	1.0	G16ØL		1 210				1
ST-LMI	11 5 39.8		FOS/BL	ACQ/BINA		MIRROR		1 1			ACQ	1
NGC3521-FIELD	11 5 49.3		WEC	IMAGE	ALL	F336W F555W		1 250				2
NGC3521-FIELD NGC3521-FIELD	11 5 49.3 11 5 49.3		WFC WFC	IMAGE IMAGE	ALL ALL	F785LP		1 250				13 4
NGC3521-FIELD	11 5 49.3 11 5 49.3		FOC/48	IMAGE	512X1Ø24	F150W		1 25Ø 1 25Ø			PAR	12
NGC3521-FIELD	11 5 49.3		FOC/48	IMAGE	512X1024 512X1024	F43ØW		1 250			PAR	3
NGC3521-FIELD	11 5 49.3		F0C/48	IMAGE	512X1024	F15ØW		2 250			PAR	1
NGC3521-FIELD	11 5 49.3		F0C/48	IMAGE	512X1024 512X1024	F43ØW		2 250			PAR	1
NGC3521-FLD2	11 5 49.4		WFC	IMAGE	ALL	F336W		1 250			1 711	2
NGC3521-FLD2	11 5 49.4		WFC	IMAGE	ALL	F555W		1 250				13
NGC3521-FLD2	11 5 49.4		WFC	IMAGE	ALL	F785LP		1 250				4
NGC3521-FLD2	11 5 49.4		F0C/48	IMAGE	512X1Ø24	F15ØW		1 250			PAR	12
NGC3521-FLD2	11 5 49.4		F0C/48	IMAGE	512X1Ø24	F43ØW		1 250			PAR	3
NGC3521-FLD2	11 5 49.4		F0C/48	IMAGE	512X1Ø24	F15ØW		2 250			PAR	í
			,						:	-		_

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Äperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
NGC3521-FLD2	11 5 49.4	-Ø 2 Ø	F0C/48	IMAGE	512X1Ø24	F43ØW		2	25ØØ	2227	1	PAR	1
PKS1103-006	11 6 31.8		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	ī
PKS11Ø3-ØØ6	11 6 31.8		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	ī	ACQ	ī
PKS11Ø3-ØØ6	11 6 31.8		FOS/RD	ACCUM	1.0	G19ØH	198ø	ī	1554	2424	ī	neu	i
PKS1103-006	11 6 31.8		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	731	2424			i
MC1104+167	11 7 15.1		FOS/BL	ACQ/BINA		MIRROR	1001	i	11	2424		ACQ	1
MC1104+167	11 7 15.1		FOS/BL	ACCUM	1.0	G16ØL	1837	i	306	2424	2	Acq	i
WD1105-048	11 7 59.5		PC	IMAGE	P5	F336W	100,	i	5	2579			i
WD1105-048	11 7 59.5		PC	IMAGE	P5	F555W		i	ø	2579			i
WD1105-048	11 7 59.5		PC	IMAGE	P6	F555W		î	ø	2579	ī		i
WD1105-048	11 7 59.5		PC	IMAGE	P7	F555W		1	ø	2579	1		1
WD1105-048	11 7 59.5		PC	IMAGE	P8	F439W		1	ø	2579	i		1
WD1105-048	11 7 59.5		PC	IMAGE	P8	F555W		1	ø	2579	1		1
WD1105-048	11 7 59.5		PC	IMAGE	P5	F439W		1	1	2579	1		1
WD11Ø5-Ø48	11 7 59.5		PC	IMAGE	P6	F439W		i	1	2579	1		i
WD1105-048	11 7 59.5		PC	IMAGE	P7	F336W		1	4	2579	1		
WD1105-048	11 7 59.5		PC ·	IMAGE		F439W		1	1	2579	1		1
WD1105-048	11 7 59.8		PC	IMAGE	P7 P5	F785LP		1	2	2579	i		1
WD1105-048	11 7 59.5		PC	IMAGE	P8	F785LP		i	2	2579			1
WD1105-048	11 7 59.5		PC	IMAGE	P6	F336W		i	4	2579	1		1 1
WD1105-048	11 7 59.5		PC	IMAGE	P8	F336W		1	1	2579	1		1
WD1105-048	11 7 59.5		PC	IMAGE	P6	F785LP		i	2	2579	1		1
WD1105-048	11 7 59.5		PC	IMAGE	P7	F785LP		1	2	2579	1		1
ES0-1108-3636	11 7 55.6		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-1108-3636	11 11 17.6		WFC	IMAGE	ALL	F785LP		1	300	2775	1		i
PKS1111+149	11 11 17.6		FOS/BL			MIRROR		1	11	2424	2	ACQ	1
PKS1111+149	11 13 58.7		FOS/BL	ACQ/BINA	1.0	G16ØL	1837		1ø38	2424	2	ACQ	1
3C254	11 14 38.7		FOS/RD	ACCUM ACCUM	1.0	G19ØH	1900		228Ø	2578	1		1
3C254 3C254	11 14 38.7		FOS/RD	ACCUM	1.0	G27ØH	2700		1200	2578	_		i
3C254	11 14 38.7		FOS/RD	ACQ/BINA		MIRROR	2100	1	11	2578	ī	ACQ	i
3C254	11 14 38.7		FOS/RD	ACCUM	1.0	G4ØØH	4000	_	1019	2578		nca	1
NGC36Ø3		2 -61 15 35	PC	IMAGE	ALL	F439W	7000	i	1	2441	î		i
NGC36Ø3	11 15 7.2		PC	IMAGE	ALL	F439W		î	ø	2441	ī		î
NGC36Ø3		-61 15 35	PC	IMAGE	ALL	F469N		1	18	2441	i		i
NGC36Ø3		-61 15 35	PC	IMAGE	ALL	F469N		i	2	2441	ī		1
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-A	1548	i	216	2251	_		i
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25	ECH-A	1122	1	27Ø	2251	í		i
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25	ECH-B	1744	i	459	2251			i
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25	ECH-B	2370	i	162	2251			i
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25	ECH-A	1159	ī	202	2251	î		ī
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25	ECH-A	13ø3	ī	256	2251	1		i
HDØ97991	11 16 11.7	_	HRS	WSCAN	Ø.25	ECH-B	1807	i	310	2251	ī		ī
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-A	1547	ī	216	2251	ī		ī
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-A	1548	ī	216	2251			i
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-B	2323	i	98	2251	_		i
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-A	1251	1	85	2251	_		2
HDØ97991	11 16 11.7	_	HRS	ACCUM	Ø.25	ECH-A	1252	ī	85	2251			1
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-A	1334	1	1Ø3	2251			i
HDØ97991	11 16 11.7	_	HRS	ACCUM	Ø.25 Ø.25	ECH-A	1333	1	103	2251			2
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25 Ø.25	ECH-A	1192	i	229	2251			1
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25 Ø.25	ECH-B	1827	1	364	2251	_		1
HDØ97991	11 16 11.7		HRS	WSCAN	Ø.25 Ø.25	ECH-B	2Ø58	1	256	2251			1
	11 10 11.7	-9 20 19	пкэ	MOCAN	v.20	ECH-D	2000	1	230	2201	Τ.		-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HDØ97991	11 16 11.7	-3 28 19	HRS	WSCAN	Ø.25	ECH-A	1240	1	324	2251	1		1
HDØ97991	11 16 11.7	-3 28 19	HRS	WSCAN	Ø.25	ECH-A	1357	ī	513	2251	1		ī
HDØ97991	11 16 11.7	-3 28 19	HRS	WSCAN	Ø.25	ECH-A	1391	ī	594	2251	1		ī
HDØ97991	11 16 11.7	-3 28 19	HRS	WSCAN	Ø.25	ECH-A	1279	ī	202	2251	ī		ī
HDØ97991	11 16 11.7	-3 28 19	HRS	WSCAN	Ø.25	ECH-B	2025	ī	256	2251	ī		ī
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-B	2324	ī	98	2251	ī		ī
HDØ97991	11 16 11.7		HRS	ACCUM	Ø.25	ECH-B	2325	ī	98	2251	ī		i
DP-LEO	11 17 16.0		FOS/BL	RAPID	1.0	G16ØL	2020		18ØØ	2686	ī		î
DP-LEO	11 17 18.0		FOS/BL	RAPID	1.0	G16ØL			156Ø	2686	ī		i
DP-LEO	11 17 16.0		FOS/BL	RAPID	1.0	G16ØL		-	228Ø	2686	ī		i
DP-LEO	11 17 16.0		FOS/BL	ACQ/BINA		MIRROR		ī	45	2686	ī	ACQ	ī
NGC3621-FIELD		-32 45 44	WFC	IMAGE	ALL	F336W		_	2500	2227	ī		2
NGC3621-FIELD		-32 45 44	WFC	IMAGE	ALL	F555W		_	2500	2227	ī		13
NGC3621-FIELD	11 18 14.9	-32 45 44	WFC	IMAGE	ALL	F785LP			25ØØ	2227	ī		4
NGC3621-FIELD	11 18 14.9	-32 45 44	F0C/48	IMAGE	512X1Ø24	F15ØW		-	2500	2227	ī	PAR	12
NGC3621-FIELD	11 18 14.9	-32 45 44	F0C/48	IMAGE	512X1Ø24	F43ØW			2500	2227	ī	PAR	3
NGC3621-FIELD	11 18 14.9	-32 45 44	F0C/48	IMAGE	512X1Ø24	F15ØW		_	2500	2227	1	PAR	1
NGC3621-FIELD	11 18 14.9	-32 45 44	F0C/48	IMAGE	512X1Ø24	F43ØW			2500	2227	ī	PAR	ī
HD98695	11 20 4.3	-71 59 40	FOS/BL	ACCUM	1.0	G27ØH		1	258	2245	1		1
HD98695	11 20 4.3	-71 59 40	FOS/BL	ACQ/PEAK	1.0	G57ØH		1	Ø	2245	1	ACQ	2
HD98695	11 20 4.3	-71 59 40	FOS/BL	ACCUM	1.0	G19ØH		1	600	2245	1	•	1
HD98695	11 20 4.3	-71 59 4Ø	FOS/BL	ACCUM	1.0	G13ØH	1454	1	1121	2245	1		1
NGC3627	11 20 14.4		WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
NGC3627	11 20 14.4		WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
3C256	11 20 43.1		PC	IMAGE	ANY	F413M		2	1700	2698	1		1
3C256	11 20 43.1		F0C/98	IMAGE	512X512	F346M		2	28ØØ	2698	1		1
3C256	11 20 43.1		WFC	IMAGE	ALL	F6Ø6W		1 3	5218	2713	1		1
UGC-636Ø	11 21 2.9		WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
UGC-638Ø	11 21 2.9		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
1119+120	11 21 47.1		HRS	ACCUM	2.0	G16ØM	1562	5	540	2553	1		1
UGC-6439	11 26 7.8		WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
UGC-6439	11 26 7.8		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
US245Ø	11 27 36.4		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
US245Ø	11 27 36.4		FOS/RD	ACQ/BINA		MIRROR	440#	1	11	2424	3	ACQ	1
US245Ø US245Ø	11 27 36.4 11 27 36.4		FOS/RD	ACCUM	1.0	G19ØH	198ø		237Ø	2424	3		1
US245Ø US245Ø	11 27 36.4		FOS/RD FOS/BL	ACCUM ACCUM	1.0	G27ØH	2753	1	858	2424	3		1
MARK171	11 28 30.9		WFC	IMAGE	ALL	G16ØL	1837	1	731	2424	3		1
MARK171	11 28 30.9		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
PAL4	11 29 19.1		PC	IMAGE	ALL	F785LP		1	300	2775	1		1
PAL4	11 29 19.1		PC	IMAGE	ALL	F555W		1	3Ø	2559	1		2 2
PAL4	11 29 19.1		PC	IMAGE	ALL	F791W F555W		1	3Ø 234Ø	2559 2559	1		3
PAL4	11 29 19.1		PC	IMAGE	ALL	F791W			2340 2340	2559	1		3
PKS1127-14	11 30 7.0		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	420	2578	2		1
PKS1127-14		-14 49 28	FOS/RD	ACCUM	1.0	G27ØH	2700	1	480	2578	2		1
PKS1127-14	11 30 7.0		FOS/RD	ACQ/BINA		MIRROR	2100	1	11	2578	2	ACQ	i
MG1131+Ø46	11 31 56.4		WFC	IMAGE	ALL	F555W		1	500	2350	1	n-q	i
MG1131+Ø46	11 31 56.4		WFC	IMAGE	ALL	F555W		_	2000	235Ø	ī		i
MG1131+Ø48	11 31 56.4		WFC	IMAGE	ALL	F785LP		ī	5ØØ	2350	ī		ī
MG1131+Ø46	11 31 56.4		WFC	IMAGE	ALL	F785LP		_	2000	235Ø	ī		ī
UGC6514	11 32 6.3		PC	IMAGE	ALL	F439W			2100	2067	ī		ī
UGC6514	11 32 6.3		WFC	IMAGE	ALL	F6Ø6W			1200	2067	ī		ī
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Townsh	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Anontuno	Spectral	Central	No.	Exp.	70		Spec.	Total
Target	KA (2000)	Dec (2000)	coming.	WOOG	Aperture	Element	Wave.	Exp.	Time	ID	cy.	Req.	Lines
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	G16ØM	1540	2	324	2257	1		1
HD1ØØ34Ø	11 32 49.9	5 16 36	HRS	ACCUM	2.0	G16ØM	186Ø	2	36Ø	2257			ī
HD1ØØ34Ø	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-B	1855	4	300	2257			ī
HD1ØØ34Ø	11 32 49.9		HRS	ACCUM	2.0	G16ØM	1245	2	198	2257			ī
HD100340	11 32 49.9		HRS	ACCUM	2.0	G16ØM	1342	2	174	2257			ī
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	G16ØM	1387	2	318	2257	_		ī
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-B	26Ø3	3	258	2257	1		1
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-A	1236	4	336	2257	1		1
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-A	1392	4	3Ø8	2257	1		1
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-A	1549	4	336	2257	1	•	1
HD100340	11 32 49.9	5 16 36	HRS	ACCUM	2.0	ECH-B	18Ø8	3	115	2348	1		1
HD100340	11 32 49.9		HRS	ACCUM	2.0	ECH-A	1251	3	115	2348	1		1
HD100340	11 32 49.9		HRS	ACCUM	2.Ø	ECH-A	13Ø3	3	115	2348	1		1
HD100340	11 32 49.9		HRS	ACCUM	2.0	ECH-A	1609	3	23Ø	2348	_		1
HD100340	11 32 49.9		HRS	ACCUM	2.0	ECH-A	1672	3	345	2348	-		1
HD100340	11 32 49.9		HRS	ACCUM	2.0	ECH-B	1858	3	172	2348			1
UGC-8537	11 33 21.1		WFC	IMAGE	ALL	F555W		1	300	2775	-		1
UGC-6537	11 33 21.1		WFC	IMAGE	ALL	F785LP		1	300	2775	_		1
113Ø+1Ø6Y	11 33 30.3		F0S/BL	ACQ/BINA		MIRROR		1	11	2424		ACQ	1
113Ø+1Ø6Y	11 33 30.3		FOS/RD	ACQ/BINA		MIRROR	444	1	11	2424		ACQ	1
113Ø+1Ø6Y	11 33 30.3		FOS/BL	ACCUM	1.0	G16ØL	1837	1	786	2424	_		1
1130+106Y	11 33 30.3		FOS/RD	ACCUM	1.0	G27ØH	2753	1	786	2424			1
1130+106Y	11 33 30.3		FOS/RD	ACCUM	1.0	G19ØH	198ø		2238	2424	1		1
ES0-1132-4506		3 -45 22 55	WFC WFC	IMAGE	ALL ALL	F555W		1	300	2775	_		1
ES0-1132-4506 PSR1133+16	11 35 8.3 11 36 3.0			IMAGE IMAGE	512X512	F785LP F18ØLP		1	300	2775			1
PKS1138-13		7 -13 50 43	FOC/48 FOS/BL	ACQ/BINA		MIRROR		1	2400	2014	1	100	1
PKS1136-13		7 -13 50 43	FOS/RD	ACQ/BINA		MIRROR		i	11 11	2424 2424	2 2	ACQ	1 1
PKS1136-13		7 -13 50 43	FOS/BL	ACCUM	1.0	G16ØL	1837	i	426	2424		ACQ	1
PKS1136-13		7 -13 50 43	FOS/RD	ACCUM	1.0	G27ØH	2753	î	426	2424	2		i
PKS1136-13		7 -13 50 43	FOS/RD	ACCUM	1.0	G19ØH	198ø		1236	2424	2		1
3C263.Ø	11 39 57.0		FOS/BL	ACQ/BINA		MIRROR	1000	ī	11	2424		ACQ	i
3C263.Ø	11 39 57.6		FOS/RD	ACQ/BINA	4.3	MIRROR		ī	ii	2424	3	ACQ	î
3C263.Ø	11 39 57.0		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	324	2424			ī
3C263.Ø	11 39 57.2		FOS/RD	ACCUM	1.0	G19ØH	198Ø	ī	81Ø	2424	_		ī
3C263.Ø	11 39 57.6		FOS/RD	ACCUM	1.0	G27ØH	2753	1	240	2424	_		ī
3C263	11 39 57.1	L 65 47 49	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	240	2578	_		ī
3C263	11 39 57.1	65 47 49	FOS/RD	ACCUM	1.0	G19ØH	1900	1	48Ø	2578	ī		1
3C263	11 39 57.1	65 47 49	FOS/RD	ACCUM	1.0	G27ØH	2700	1	240	2578	1		1
3C263	11 39 57.1	65 47 49	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
PG1144+ØØ5	11 46 35.5	5 Ø 12 3Ø	HRS	ACCUM	2.0	G14ØL	1288	1	1500	2593		•	1
HD1Ø2647	11 49 3.5	5 14 34 19	HRS	ACCUM	Ø.25	MIRROR-A2		1	Ø	2537	1		1
HD1Ø2647	11 49 3.5	5 14 34 19	HRS	ACCUM	Ø.25	ECH-A	1859	1	1080	2537			1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	ECH-B	2854	1	82	2537	_		1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	G16ØM	1859	1	114	2537	_		1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	ECH-A	1547		1030	2537	_		1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	ECH-B	2345	1	33Ø	2537			1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	ECH-A	1667		148Ø	2537			1
HD1Ø2647	11 49 3.5		HRS	ACCUM	Ø.25	ECH-B	2596		1404	2537			1
4C47.33	11 51 9.3		FOS/BL	ACQ/BINA		MIRROR	4.00-	1	11	2424		ACQ	1
4C47.33	11 51 9.3		FOS/BL	ACCUM	1.0	G16ØL	1837		1Ø62	2424		4.00	1
PG1148+549	11 51 20.5	5 54 37 32	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. . Time	ID	Cy.	Spec. Req.	Total Lines
PG1148+549	11 51 20.5	54 37 32	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
PG1148+549	11 51 20.5		FOS/BL	ACCUM	1.0	G16ØL	1837	1	348	2424	3	•	1
PG1148+549	11 51 20.5	54 37 32	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	9Ø6	2424	3		1
PG1148+549	11 51 20.5		FOS/RD	ACCUM	1.0	G27ØH	2753	1	252	2424	3		1
B21148+38	11 51 29.3		FOS/RD	ACQ/BINA		MIRROR		1	10	2424	1	ACQ	ī
B21148+38	11 51 29.3		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	ī
B21148+38	11 51 29.3		FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	1		ī
B21148+38	11 51 29.3		FOS/RD	ACCUM	1.0	G27ØH	2753	1	474	2424	1		1
LB2136	11 53 24.5		WFC	IMAGE	ALL	F785LP		1	5ØØ	2425	1		ī
LB2136	11 53 24.5	49 31 9	WFC	IMAGE	ALL	F785LP		1	2300	2425	1		1
UGC-887Ø	11 53 48.9	52 19 39	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-687Ø	11 53 48.9	52 19 39	WFC	IMAGE	ALL .	F785LP		1	300	2775	1		1
ES0-1153-1937	11 56 6.9	-19 53 58	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-1153-1937	11 56 6.9	-19 53 58	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC3998	11 57 56.1	55 27 13	F0C/96	IMAGE	512X512	F1ND F342W		1	24Ø	2295	1		1
NGC3998	11 57 56.1	55 27 13	F0C/96	IMAGE	512X512	F175W		1	2Ø39	2295	1		1
NGC3998	11 57 58.1	55 27 13	F0C/96	IMAGE	512X512	F1ND F2ND F48ØLP		1	46Ø	2295	1		1
UGC-695Ø	11 58 5.3	27 52 43	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-695Ø	11 58 5.3	27 52 43	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
4C63.15	11 58 39.9	82 54 27	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
4C63.15	11 58 39.9	62 54 27	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
4063.15	11 58 39.9		FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	2		1
4C63.15	11 58 39.9		FOS/RD	ACCUM	1.0	G27ØH	2753	1	816	2424	2		1
4C63.15	11 58 39.9		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	3Ø36	2424	2		1
4C29.45	11 59 31.9		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
4C29.45	11 59 31.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
4C29.45	11 59 31.9		F0S/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	3		1
4C29.45	11 59 31.9		FOS/RD	ACCUM	1.0	G27ØH	2753	1	246	2424	3		1
3C268.1	12 Ø 23.5		PC	IMAGE	ALL	F6Ø6W		1	1800	2488	1		1
PC1158+4635	12 Ø 36.9		WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø			1
PC1158+4635	12 Ø 36.9		WFC	IMAGE	ALL	F7Ø2W		1	8ØØ	235Ø	1		1
GW-VIR	12 1 46.0		HRS	ACCUM	2.0	G16ØM	155Ø	2	95Ø	2741	1		1
GW-VIR	12 1 46.0		HRS	ACCUM	2.0	G16ØM	1363	2	1000	2741	1		1 .
GW-VIR	12 1 48.0		HRS	ACCUM	2.0	G14ØL	1344	1	27Ø	2741	1		1
UGC-7090	12 6 1.2		WFC	IMAGE	ALL	F555W		1	300	2775			1
UGC-7090 UGC-7118	12 6 1.2 12 8 5.6		WFC	IMAGE	ALL	F785LP		1	300	2775			1
UGC-7118			WFC	IMAGE	ALL	F555W		1	300	2775	1		1
1208+459	12 8 5.6 12 8 58.6		WFC HRS	IMAGE	ALL	F785LP	28Ø7	1	300	2775	_		1
PG12Ø6+459				ACCUM ACCUMENTA	2.0	G27ØM	2801	4	440	2553	1	4.00	1
PG1206+459	12 8 58.0 12 8 58.0		FOS/BL	ACQ/BINA		MIRROR MIRROR		1	11	2424	1	ACQ	1
PG1206+459	12 8 58.0		FOS/RD	ACQ/BINA			1027	1	9 846	2424 2424		ACQ	1
PG1206+459	12 8 58.0		FOS/BL	ACCUM	1.0	G16ØL	1837 2753	1		2424	1		1
PG1206+459			FOS/RD	ACCUM	1.0	G27ØH		1	432		1		1
PKS1207-399			FOS/RD	ACCUM	1.0	G19ØH	1980	1	1835	2424			1
PKS1207-399	12 9 35.2 12 9 35.2	-40 16 14	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	540	2578			1
PKS1207-399	12 9 35.2		FOS/RD	ACCUM ACCUMENTAL	1.0	G27ØH	2700	1	660	2578	_	ACO	1
ES0-1207-2927		-40 16 14 -29 44 15	FOS/RD	ACQ/BINA		MIRROR		1	11	2578		ACQ	1
ES0-1207-2927			WFC	IMAGE	ALL	F555W		1	300	2775	_		1
1E1207+3945	12 10 14.1 12 10 26.6		WFC PC	IMAGE	ALL	F785LP		1	300	2775			1
1E1207+3945			PC PC	IMAGE	ALL	F555W		1	200	2350			1
NGC4151-0F2ØN	12 10 26.6			IMAGE	ALL SERVIAGA_SLIT	F555W	AFGG	1	800	2350			1
MOCTOT-OLSOM	12 10 32.3	39 24 21*	FUC/48	SPEC	256X1Ø24-SLIT	U-10 DM	4500	1	261Ø	2619	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Red	
NGC4151-0F17N	12 10 32.3	39 24 21*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F14N	12 10 32.4	39 24 21*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F11N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F9N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F7N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F5N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F3N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F2N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F1N	12 10 32.4	39 24 20*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F3	12 10 32.4	39 24 20	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F1S	12 10 32.4	39 24 19*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F2S	12 10 32.4	39 24 19*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F3S	12 10 32.5	39 24 19+	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-0F5S	12 10 32.5	39 24 19*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F7S	12 10 32.5	39 24 19*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F9S	12 10 32.5	39 24 19*	F0C/48	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	2610	2619	1	1
NGC4151-0F11S	12 10 32.5		•	SPEC	256X1Ø24-SLIT		4500	1	2610	2619	1	1
NGC4151-0F13S	12 10 32.5		•	SPEC	256X1Ø24-SLIT	G45ØM	4500	1	261Ø	2619	1	1
NGC4151-NUCLEUS	12 10 32.5		HRS	ACCUM	Ø.25	G14ØL	1400	1	6ØØ	2498	1	4
NGC4151-NUCLEUS	12 10 32.5		HRS	ACCUM	Ø.25	G14ØL	1640	1	600	2498	1	4
NGC4151-NUCLEUS	12 10 32.5		HRS	ACCUM	Ø.25	G16ØM	1518	1	3600	2498	1	2
NGC4151-NUCLEUS	12 10 32.5		HRS	ACCUM	Ø.25	G16ØM	1594	1	3600	2498	1	2
NGC4151	12 10 32.5		FGS	TRANS	1	F55ØW		1	586	2443	1	1
NGC4151	12 10 32.5		FGS	TRANS	1	F583W		1	586	2443	1	1
NGC4151	12 10 32.5		FGS	TRANS	1	F65ØW		1	586	2443	1	1
NGC4151-0F16S	12 10 32.5		•	SPEC	256X1Ø24-SLIT		4500	1	261Ø	2619	1	1
NGC4151-0F19S	12 10 32.5			SPEC	256X1Ø24-SLIT		4500	1	255Ø	2619	1	1
NGC4151-0F22S	12 10 32.6		•	SPEC	256X1Ø24-SLIT		4500	1	255Ø	2619	1	1
NGC415Ø	12 10 33.7		PC	IMAGE	ALL	F555W		1	4	2600	1	1
NGC415Ø	12 10 33.7	30 24 6 30 24 6	PC PC	IMAGE	ALL	F555W		1	35	2600	1	1
NGC415Ø	12 10 33.7		PC	IMAGE	ALL	F555W		1	450	2600	1	1
NGC415Ø	12 10 33.7			IMAGE	ALL	F785LP		1	3	2600	1	1
NGC415Ø	12 10 33.7		PC PC	IMAGE	ALL	F785LP		1	26	2600	1	1
NGC415Ø	12 10 33.7 12 10 37.5	3Ø 24 6 31 57 7	FOS/BL	IMAGE	ALL	F785LP		1	36Ø	2600	1	, 1
B212Ø8+32A B212Ø8+32A	12 10 37.5		FOS/RD	ACQ/BINA ACQ/BINA		MIRROR MIRROR		1	11 11	2424 2424	2 ACI	
B21208+32A	12 10 37.5		FOS/BL	ACCUM	1.0	G16ØL	1837	1	552	2424	2 AC	1 1
B21208+32A	12 10 37.5	31 57 7	FOS/RD	ACCUM	1.0	G27ØH	2753	1	642	2424	2	1
B212Ø8+32A	12 10 37.5	31 57 7	FOS/RD	ACCUM	1.0	G19ØH	198Ø	-	1776	2424	2	i
PG121Ø+533	12 13 24.4	53 13 24	HRS	ACCUM	2.0	G14ØL	1288	1	1500	2593	2	i
UGC-7231	12 13 47.9	14 54 2	WFC	IMAGE	ALL	F555W	1200	1	300	2775	1	1
UGC-7231	12 13 47.9	14 54 2	WFC	IMAGE	ALL	F785LP		i	300	2775	i	i
HZ-21	12 13 56.4	32 56 38	HRS	ACCUM	2.0	G14ØL	1288	i	1200	2593	2	i
B21211+33	12 13 55.4	33 9 46	FOS/BL	ACQ/BINA		MIRROR	1200	1	1200	2424	1 AC	_
B21211+33	12 14 4.1	33 9 46	FOS/BL	ACCUM	1.0	G16ØL	1837	i	1050	2424	1	* <u>1</u>
1211+143	12 14 17.7	14 3 12	HRS	ACCUM	2.0	G27ØM	2807	5	600	2553	1	i
1211+143	12 14 17.7	14 3 12	HRS	ACCUM	2.0	G16ØM	1562	2	390	2553	1	i
PG1211+143	12 14 17.7	14 3 12	FOS/BL	ACCUM	1.0	G13ØH	1379	1	738	2424	1	1
PG1211+143	12 14 17.7	14 3 12	FOS/BL	ACQ/BINA		MIRROR	1313	1	4	2424	1 AC	<b>1</b>
HD1Ø649Ø	12 15 8.8		HRS	ACCUM	Ø.25	ECH-A36	1549	1	138	2403	1	i
HD106490		-58 44 56	HRS	ACCUM	Ø.25	ECH-A4Ø	1400	i	138	2403	i	i
HD100490		-58 44 56	HRS	ACCUM	Ø.25	ECH-A45	1240	1	127	2403	1	i
					- 120	2011-71-10	1270	-			-	-

Fi	xed	Tar	gets

Target	RA (2000)	Dec (2000)	Inst. C	perating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp.	ID	Cv.	Spec. Req.	Total Lines
1			_					•	•			•	
HD1Ø649Ø	12 15 8.8	-58 44 56	HRS	ACCUM	Ø.25	ECH-A45	1258	1	116	24Ø3	1		1
HD106490	12 15 8.8	-58 44 56	HRS	ACCUM	Ø.25	ECH-A4Ø	1391	1	169	24Ø3	1		ī
HD106490	12 15 8.8	-58 44 56	HRS	ACCUM	Ø.25	ECH-A47	1197	1	74	2403	1		ī
HD106490	12 15 8.8	-58 44 56	HRS	ACCUM	Ø.25	ECH-A47	1204	1	117	24Ø3	1		ī
CASE-1	12 15 46.2	52 31 2Ø	HRS	ACCUM	2.Ø	G14ØL	1288	1	900	2593	2		ī
UM485	12 15 49.8	-Ø 34 34	F0C/288	IMAGE	512X512	F1ND F22ØW		1	2700	2624	1		ī
MC1215+113	12 18 26.1	11 5 5	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	ĭ
MC1215+113	12 18 26.1	11 5 5	FOS/BL	ACCUM	1.0	G16ØL	1837	1	714	2424	2	*.	1
NGC4258-FIELD	12 18 35.5	47 24 43	WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4258-FIELD	12 18 35.5		WFC	IMAGE	ALL	F555W		1	2500	2227	-1		13
NGC4258-FIELD	12 18 35.5	47 24 43	WFC	IMAGE	AL <u>L</u>	F785LP		1	2500	2227	1		4
NGC4258-FIELD	12 18 35.5	47 24 43	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC4258-FIELD	12 18 35.5	47 24 43	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC4258-FIELD	12 18 35.5		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC4258-FIELD	12 18 35.5		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
PG1216+Ø69	12 19 20.3		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG1216+Ø69	12 19 20.3		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
PG1216+Ø69	12 19 20.3		FOS/RD	ACCUM	1.0	G19ØH	1980	1	378	2424	3	-	1
PG1216+Ø69	12 19 20.3		F0S/BL	ACCUM	1.0	G13ØH	1379	1	5334	2424	3		1
NGC4261-WFPOS	12 19 23.2		PC	IMAGE	ALL	F555W	5555	1	600	26Ø7	1	ACQ	1
NGC4281-WFPOS	12 19 23.2		WFC	IMAGE	ALL	F555W	5555	1	1	26Ø7	1	ACQ	1
NGC4261-WFPOS	12 19 23.2		WFC	IMAGE	ALL	F555W	5555	1	6Ø	26Ø7	1	ACQ	1
NGC4261	12 19 27.6		F0C/96	IMAGE	512X512	F22ØW		1	1000	26Ø7	1		1
NGC4281	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G4ØØH	4000	1	498Ø	26Ø7	1		1
NGC4261	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	57ØØ	1	498Ø	26Ø7	1		1
NGC4281	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	PRISM	3500	1	429	26Ø7	1		1
NGC4261-B1	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC4261-B1	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	PRISM	3500	1	26Ø	26Ø7	1		1
NGC4261-B1	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	57ØØ	1	36Ø	26Ø7	1		1
NGC4261-B2	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC4261-B2	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	26Ø7	1		1
NGC4261-B3	12 19 27.8		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC4261-B3	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	26Ø7	1		1
NGC4261-B4	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC4261-B4 NGC4261-C1	12 19 27.8		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	26Ø7	1		1
NGC4261-C1 NGC4261-C1	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	57ØØ	1	1260	26Ø7	1		1
NGC4261-C1	12 19 27.8		FOS/RD	ACCUM	Ø.25-PAIR	PRISM	3500	1	429	26Ø7	1		1
NGC4261-C3	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	126Ø	26Ø7	1		1
NGC4261-C4	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	57ØØ	1	1260	26Ø7	1		1
NGC4261-OFFSET	12 19 27.6 12 19 27.6		FOS/RD FOS/RD	ACCUM ACCURTNA	Ø.25-PAIR	G57ØH Mirror	5700	1	126Ø	2607	1	4.00	1
NGC4821-B1			FOS/RD	ACQ/BINA ACCUM		G4ØØH	1000	1	7	26Ø7	1	ACQ	1
NGC4621-B1	12 19 27.6 12 19 27.6		FOS/RD		Ø.5-PAIR		4000	1	36Ø	2607	1		1
NGC4621-B1	12 19 27.6		FOS/RD	ACCUM ACCUM	Ø.5-PAIR	PRISM G57ØH	35ØØ	1	600	2607	1		1
NGC4621-B1	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR Ø.5-PAIR	G4ØØH	5700	1	36Ø	2607	1		1
NGC4621-B2	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	4000 5700	1	360	2607	1		1
NGC4621-B2	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	57ØØ	1	360	2607	1		1
NGC4621-B3	12 19 27.8		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	4000 5700	1	36Ø	2607	1		1
NGC4621-B4	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	57ØØ	1	36Ø	2607	1		1
NGC4621-B4	12 19 27.6		FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	4000 5700	1	36Ø	2607	1		1
NGC4621-C1	12 19 27.6		FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	57ØØ	1	36Ø	2607	1		1
NGC4621-C1	12 19 27.6		•	ACCUM	Ø.25-PAIR	PRISM	57ØØ	1	126Ø	2607	1		1
	12 13 21.0	0 73 00¥	1 00/10	ACCOM	0.50-1 VTV	1 MIOM	3500	1	429	26Ø7	1		1

Target	RA (2000)	Inst Dec(2000) Conf		Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Rec	
NGC4621-C2	12 19 27.6	5 49 55* FOS/	RD ACCUM	Ø.25-PAIR	G57ØH	5700	1 1	26Ø :	26ø7	1	1
NGC4621-C3	12 19 27.6	5 49 55* FOS/		Ø.25-PAIR	G57ØH	57ØØ	_		26Ø7	ī	i
NGC4821-C4	12 19 27.6	5 49 55+ FOS/		Ø.25-PAIR	G57ØH	5700			26Ø7	ī	ī
1219+755	12 21 44.0		ACCUM	2.0	G27ØM	2807	_		2553	ī	ī
1219+755	12 21 44.0		ACCUM	2.0	G16ØM	1562			2553	ī	ī
MARK2Ø5	12 21 44.4	75 18 40 FOS/			MIRROR		1	11	2424	2 ACI	a <u>ī</u>
MARK2Ø5	12 21 44.4	75 18 4Ø FOS/		1.0	G13ØH	1379	1 3	120	2424	2	ì
PKS1219+Ø4	12 22 22.7	4 13 13 FOS/	L ACQ/BIN	A 4.3	MIRROR		1		2424	3 AC	1
PKS1219+Ø4	12 22 22.7	4 13 13 FOS/	BL ACCUM	1.0	G16ØL	1837	1 1	164	2424	3	1
NGC4365	12 24 27.9	7 19 5 PC	IMAGE	P7	F439W		1	5ØØ :	2591	1	1
NGC4385	12 24 27.9	7 19 5 PC	IMAGE	P7	F555W		1	20	2591	1	1
NGC4365	12 24 27.9		IMAGE	P7	F555W				2591	1	1
NGC4365	12 24 27.9	7 19 5 PC	IMAGE	P7	F555W				2591	1	1
NGC4365	12 24 27.9		IMAGE	P7	F785LP		1		2591	1	1
NGC4365	12 24 27.9		IMAGE	P7	F785LP				2591	1	1
NGC4365	12 24 27.9	7 19 5 PC	IMAGE	P.7	F785LP				2591	1	1
NGC4374	12 24 59.2			512X512	F22ØW				26Ø7	1	1
NGC4374	12 24 59.2	•		Ø.25-PAIR	G4ØØH	4000			26Ø7	1	1
NGC4374	12 24 59.2			Ø.25-PAIR	PRISM	3500			26Ø7	1	1
NGC4374	12 24 59.2	•		Ø.25-PAIR	G57ØH	5700	1 12		2607	1	1
NGC4374-B1	12 24 59.2			Ø.5-PAIR	G4ØØH	4000			2607	1	1
NGC4374-B1 NGC4374-B1	12 24 59.2	•		Ø.5-PAIR	PRISM	3500			26Ø7	1	1
NGC4374-B1 NGC4374-B2	12 24 59.2 12 24 59.2			Ø.5-PAIR	G57ØH	5700			2607	1	1
NGC4374-B2	12 24 59.2			Ø.5-PAIR Ø.5-PAIR	G4ØØH G57ØH	4000 5700			26Ø7 26Ø7	1 1	1
NGC4374-B3	12 24 59.2			Ø.5-PAIR	G4ØØH	4000			26Ø7	1	1
NGC4374-B3	12 24 59.2			Ø.5-PAIR	G57ØH	57ØØ	_		26Ø7	1	1
NGC4374-B4	12 24 59.2			Ø.5-PAIR	G4ØØH	4000			26Ø7	i	. 1
NGC4374-B4	12 24 59.2			Ø.5-PAIR	G57ØH	5700			26Ø7	i	î
NGC4374-C1	12 24 59.2			Ø.25-PAIR	PRISM	3500	_		26Ø7	ī	i
NGC4374-C1	12 24 59.2			Ø.25-PAIR	G57ØH	5700			26Ø7	ī	ī
NGC4374-C2	12 24 59.2			Ø.25-PAIR	G57ØH	5700	_		26Ø7	ī	ì
NGC4374-C3	12 24 59.2			Ø.25-PAIR	G57ØH	5700			26Ø7	ī	ī
NGC4374-C4	12 24 59.2	12 52 41* FOS/	RD ACCUM	Ø.25-PAIR	G57ØH	5700	1 3	ØØØ :	2607	1	1
NGC4374-OFFSET	12 24 59.2	12 52 41 FOS/	D ACQ/BINA		MIRROR		1	11 :	26Ø7	1 ACC	1
NGC4374-WFPOS	12 25 1.5	12 52 55 WFC	IMAGE	ALL	F555W	5555	1	1 :	26Ø7	1 ACI	1
NGC4374-WFPOS	12 25 1.5	12 52 55 WFC	IMAGE	ALL	F555W	5555	1		26Ø7	1 AC	<b>Q</b> 1
NGC4374-PCPOS	12 25 3.9	12 53 10 PC	IMAGE	ALL	F555\	5555			26Ø7	1 AC	<b>Q</b> 1
NGC4382	12 25 24.6	18 11 27 FOC/		512X512	F342W				2295	1	1
NGC4382	12 25 24.8	18 11 27 FOC/		512X512	F43ØW				2295	1	1
NGC4382	12 25 24.6	18 11 27 FOC/		512X512	F175W				2295	1	1
PG1222+228	12 25 27.4	22 35 13 FOS/		1.0	G16ØL	1900	_		2524	1	1
PG1222+228	12 25 27.4	22 35 13 FOS/		4.3	G16ØL	1900			2524	1	. 6
PG1222+228	12 25 27.4	22 35 13 FOS/			MIRROR		1		2524	1 AC	•
NGC4387	12 25 41.7	12 48 38 PC	IMAGE	ALL	F785LP		1		2600	1	1
NGC4387 NGC4388	12 25 41.7	12 48 38 PC	IMAGE	ALL	F785LP		_		2600	1	2
NGC4388	12 25 48.7	12 39 41 F0S/I		Ø.5	PRISM				2711	1	1
NGC4406-PCPOS	12 25 48.7 12 26 11.5	12 39 41 FOS/I 12 56 43 PC			MIRROR F555W	5555	1 1	-	2711 26Ø7	1 1 AC	_
NGC4406-FCF03	12 26 11.8	12 56 43 PC 12 56 48 PC	IMAGE IMAGE	ALL P7	F555W	5555	1		2591	1 AC	1
NGC44Ø6	12 26 11.8	12 56 46 PC	IMAGE	P7	F555W				2591 2591		1
NGC44Ø8	12 26 11.8	12 56 48 PC	IMAGE	P7	F555W		_		2591 2591		i
	11.0	12 00 40 10	TWVGE	• •	1 00011				FOST	-	_

					Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	0	ec (2	2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
NGC44Ø8	12 26 11	.8	12 5	6 48	PC	IMAGE	P7	F439W		1	225	2591	1		1
NGC44Ø8	12 26 11	.8	12 5	6 48	PC	IMAGE	P7	F785LP		1	3Ø	2591	1		1
NGC44Ø6	12 26 11	.8	12 5	6 48	PC	IMAGE	P7	F785LP		1	300	2591	1		1
NGC44Ø6	12 26 11	.8	12 5	6 48	PC .	IMAGE	P7	F785LP		1	1400	2591	1		1
NGC44Ø6-WFPOS	12 26 15	.8	12 5	7 11	WFC	IMAGE	ALL	F555W	5555	1	1	26Ø7	1	ACQ	1
NGC44Ø6-WFPOS	12 26 15	.8	12 5	7 11	WFC	IMAGE	ALL	F555W	5555	1	6Ø	26Ø7	1	ACQ	1
NGC44Ø8	12 26 20	.1			F0C/98	IMAGE	512X512	F22ØW		1	1000	26Ø7	1	•	1
NGC44Ø6	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G4ØØH	4000	1	498Ø	2607	1		1
NGC44Ø6	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	57ØØ	1	4980	26Ø7	1		1
NGC44Ø8	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	PRISM	3500	1	429	26Ø7	1		1
NGC44Ø6-B1	12 28 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC44Ø6-B1	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	PRISM	3500	1	600	2607	1		1
NGC44Ø8-B1	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	57ØØ	1	36Ø	26Ø7	1		1
NGC44Ø8-B2	12 26 20	.1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC44Ø8-B2	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	26Ø7	1		1
NGC44Ø6-B3	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	2607	1		1
NGC44Ø6-B3	12 28 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	26Ø7	1	1	1
NGC44Ø6-B4	12 28 20	.1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G4ØØH	4000	1	36Ø	26Ø7	1		1
NGC44Ø6-B4	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.5-PAIR	G57ØH	5700	1	36Ø	2607	. 1		1
NGC44Ø8-C1	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	1260	26Ø7	1		1
NGC44Ø8-C1	12 26 20				FOS/RD	ACCUM	Ø.25-PAIR	PRISM	3500	1	429	26Ø7	1		. 1
NGC44Ø6-C2	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	126Ø	26Ø7	1		1
NGC44Ø6-C3	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	126Ø	26Ø7	1		1
NGC44Ø8-C4	12 26 20	. 1	12 5	7 39*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	126Ø	26Ø7	1		1
NGC44Ø6-OFFSET	12 26 20		12 5	7 39	FOS/RD	ACQ/BINA	4.3	MIRROR		1	8	26Ø7	1	ACQ	1
NGC4414-FIELD	12 26 27	. 1	32 1	5 49	WFC	IMAGE	ALL	F336W		1	2500	2227	1	•	2
NGC4414-FIELD	12 26 27		32 1	5 49	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC4414-FIELD	12 26 27			5 49	WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC4414-FIELD	12 26 27			5 49	F0C/48	IMAGE	512X1Ø24	F15Ø\		1	25ØØ	2227	1	PAR	12
NGC4414-FIELD	12 26 27			5 49	F0C/48	IMAGE	512X1Ø24	F43ØW		1	25ØØ	2227	1	PAR	3
NGC4414-FIELD	12 26 27			5 49	F0C/48	IMAGE	512X1Ø24	F15ØW		2	25ØØ	2227	1	PAR	1
NGC4414-FIELD	12 26 27			5 49	F0C/48	IMAGE	512X1Ø24	F43ØW		2	25ØØ	2227	1	PAR	1
NGC4458	12 28 57			4 31	PC	IMAGE	ALL	F555W		1	12	26ØØ	1		1
NGC4458	12 28 57			4 31	PC	IMAGE	ALL	F655W		1	120	26ØØ			1
NGC4458	12 28 57			4 31	PC	IMAGE	ALL	F785LP		1	8	26ØØ			1
NGC4458	12 28 57			4 31	PC	IMAGE	ALL	F785LP		1	8Ø	2600			1
3C273-JET		.9		2 56	F0C/96	IMAGE	512X512	F43ØW POLØ		1	87ØØ	2451	1		1
3C273-JET		.9		2 56	F0C/96	IMAGE	512X512	F43ØW POL6Ø		1	87ØØ	2451	1		1
3C273-JET		.9		2 56	F0C/96	IMAGE	512X512	F43ØW POL12Ø		1	87ØØ	2451			1
1226+Ø23INCA221-83		.7	_	3 9	FGS	POS	2	F55ØW		1	51	2861			3
3C273		. 7	_	3 8	FGS	TRANS	1	F583W		1	586	2443	-		1
3C273		.7		3 8	FGS	TRANS	1	F65ØW		1	586	2443	_		1
3C273		.7	_	3 8	FGS	TRANS	2	F583W		1	586	2443			1
INCA221-83	12 29 22		1 5		FGS	POS	2	F55ØW		1	51	2861	1		2
NGC4467	12 29 30		7 5		PC	IMAGE	ALL	F555W		1	3Ø	2600			1
NGC4487	12 29 30		7 5		PC	IMAGE	ALL	F555W		1	300	2600			1
NGC4467	12 29 30		7 5		PC	IMAGE	ALL	F785LP		1	23	2600			1
NGC4467	12 29 30		7 5		PC	IMAGE	ALL	F785LP		1	23Ø	2600			1
P0INT1226+023INCA221	12 29 50	. 5	2	7 41	S/C	POINTING	V1			1	Ø	2861	1		1
-83	10 00 00	~	44 ^		WEC	T114.05	44.	====		_					
UGC-7651	12 30 36		41 3		WFC	IMAGE	ALL	F555W		1	300	2775			1
UGC-7651	12 3Ø 36	.υ	41 3	8 33	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
M87	12 30 49.4	12 23 28	FGS	TRANS	1	F55ØW		1	586	2443	1		1
M87	12 30 49.4		FGS	TRANS	Ī	F583W		ī	586	2443	ī		i
M87	12 30 49.4		FGS	TRANS	ī	F65ØW		ī	586	2443	ī		i
M87	12 30 49.4		FGS	TRANS	2	F583W		ī	586	2443	ī		ī
VCC144Ø	12 32 33.3		PC	IMAGE	ALL	F555W		ī	3Ø	2600	ī		ī
VCC144Ø	12 32 33.3	15 24 54	PC	IMAGE	ALL	F555W		1	300	2600	ī		ī
VCC144Ø	12 32 33.3	15 24 54	PC	IMAGE	ALL	F785LP		1	23	2600	1		ī
VCC144Ø	12 32 33.3	15 24 54	PC	IMAGE	ALL	F785LP		1	23Ø	2600	1		ī
UGC-7727	12 34 20.3	8 11 51	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-7727	12 34 20.3	8 11 51	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC4536-FIELD	12 34 26.9	2 11 18	WFC	IMAGE	ALL	F555W		1	1200	2227	1		1
NGC4536-FIELD	12 34 26.9	2 11 18	WFC	IMAGE	ALL	F785LP		1	1200	2227	1		1
NGC4536-FIELD	12 34 26.9	2 11 18	F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	2227	1	PAR	1
NGC4538-FIELD	12 34 26.9		F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	2227	1	PAR	1
NGC4548-FIELD	12 35 26.3		WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4548-FIELD	12 35 26.3		WFC	IMAGE	ALL	F555W_		1	25ØØ	2227	1		13
NGC4548-FIELD	12 35 26.3		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC4548-FIELD	12 35 28.3		F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC4548-FIELD	12 35 26.3		F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC4548-FIELD	12 35 26.3		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	.1
NGC4548-FIELD	12 35 28.3		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
NGC45Ø7		-39 54 33	FOS/RD	ACCUM ACCUMENTAL	Ø.5	PRISM		1	721	2711	1		1
NGC45Ø7 VCC1627	12 35 38.8 12 35 37.3		FOS/RD PC	ACQ/BINA IMAGE	ALL	MIRROR F555W		1 1	11 3ø	2711 2600	1 2		1
VCC1627	12 35 37.3		PC	IMAGE	ALL	F555W		1	3ØØ	2600	2		1 1
VCC1627	12 35 37.3		PC	IMAGE	ALL	F785LP		i	23	2600	2		1
VCC1627	12 35 37.3		PC	IMAGE	ALL	F785LP	÷	i	23Ø	2600	2		i
NGC4551	12 35 37.6		PČ	IMAGE	ALL	F785LP		i	40	2600	2		i
NGC4551	12 35 37.6		PC	IMAGE	ALL	F785LP		ī	400	2600	2		2
PKS1233-24	12 35 37.8		WFC	IMAGE	ALL	F785LP		ī	500	2425	ī		ī
PKS1233-24	12 35 37.8		WFC	IMAGE	ALL	F785LP		1	2400	2425	ī		ī
NGC4571-FIELD	12 36 56.6	14 13 3	WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4571-FIELD	12 36 56.6	14 13 3	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC4571-FIELD	12 36 56.6	14 13 3	WFC	IMAGE	ALL	F785LP	*	1	2500	2227	1		4
NGC4571-FIELD	12 36 56.6	14 13 3	F0C/48	IMAGE	512X1Ø24	F150W		1	2500	2227	1	PAR	12
NGC4571-FIELD	12 36 56.6	14 13 3	F0C/48	IMAGE	512X1Ø24	F430W		1	2500	2227	1	PAR	3
NGC4571-FIELD	12 36 56.6		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC4571-FIELD	12 36 56.6		F0C/48	IMAGE	512X1Ø24	F43ØW		2	25ØØ	2227	1	PAR	1
NGC4579	12 37 43.4		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
NGC4579	12 37 43.4		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
NGC4594-MID	12 39 59.9		WFC	IMAGE	ALL.	F555W		1	10	2600	1	ACQ	1
NGC4594-MID		-11 36 42	WFC	IMAGE	ALL	F555W	F744	1	Ø	2600	1	ACQ	1
NGC4594-NUC1		-11 36 Ø*		ACCUM	Ø.25-PAIR-B	G57ØH	57ØØ	1	7800	2600	1		1
NGC4594-NUC2		-11 36 Ø*		ACCUM	Ø.25-PAIR-B	G57ØH	57ØØ	1	8364	2600	1		1
NGC4594-NUC3 NGC4594-OFFSET		3 -11 36 Ø∗ 3 -11 36 Ø		ACCUM ACCURTNA	Ø.25-PAIR-B	G57ØH MIRROR	5700	1	4200	26ØØ 26ØØ	1	400	1
NGC4894-UFFSET	12 40 0.6		FOS/RD FOS/RD	ACQ/BINA		MIRROR		1	7		1	ACQ	1
NGC4821-NUC1	12 41 58.9 12 41 59.1		FOS/RD	ACQ/BINA ACCUM	Ø.25-PAIR-B	G57ØH	57ØØ	1	396Ø	26Ø7 26ØØ	1 2	ACQ	1
NGC4821-NUC2	12 41 59.1		•	ACCUM	Ø.25-PAIR-B	G57ØH	5700 5700	1	5400	2600	2		i
NGC4621-NUC3	12 41 59.1			ACCUM	Ø.25-PAIR-B	G57ØH	5700 5700	1	5400	2600	2		1
NGC4621-OFFSET	12 41 59.1		FOS/RD	ACQ/BINA		MIRROR	0100	i	7	2600	2	ACQ	i
NGC4621-WFPOS	12 42 Ø.6		WFC	IMAGE	ALL	F555W	5555	ī	í	2607	1	ACQ	1
		<b>-</b> ·			· · <del></del>			-	-		-		-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Су.	Spec . Req .	
NGC4621-WFPOS	12 42 Ø.6	11 38 27	WFC	IMAGE	ALL	F555W	5555	1	6Ø	26Ø7	1	ACQ	1
NGC4821-MID	12 42 Ø.7	11 38 27	WFC	IMAGE	ALL	F555W		1	Ø	2600	2	ACQ	ī
NGC4621-MID	12 42 Ø.7	11 38 27	WFC	IMAGE	ALL	F555W		1	5	2600	2	ACQ	1
NGC4821	12 42 2.2			IMAGE	512X512	F22ØW		1	1000	26Ø7	1		ī
NGC4621	12 42 2.2			ACCUM	Ø.25-PAIR	G4ØØH	4000	1	5040	26Ø7	1		ī
NGC4821	12 42 2.2	11 38 50*	FOS/RD	ACCUM	Ø.25-PAIR	G57ØH	5700	1	498Ø	26Ø7	1		ī
NGC4621	12 42 2.2	11 38 5Ø*	FOS/RD	ACCUM	Ø.25-PAIR	PRISM	3500	1	429	2607	1		1
NGC4636	12 42 49.9	2 41 16	F0C/96	IMAGE	512X512	F342W		1	240	2295	1		ī
NGC4636	12 42 49.9	2 41 16	F0C/98	IMAGE	512X512	F48ØLP		1	460	2295	1		1
NGC4836	12 42 49.9	2 41 16	F0C/96	IMAGE	512X512	F175W		1	2Ø39	2295	1		1
NGC4651-FIELD	12 43 42.6	16 23 40	WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4851-FIELD	12 43 42.6	16 23 40	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC4651-FIELD	12 43 42.6	16 23 40	WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC4651-FIELD	12 43 42.6	16 23 40	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC4651-FIELD	12 43 42.6	16 23 40	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC4851-FIELD	12 43 42.6	16 23 40	F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC4851-FIELD	12 43 42.6	16 23 40	F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
NGC4654-FIELD	12 43 56.6	13 7 33	WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4654-FIELD	12 43 56.6	13 7 33	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC4654-FIELD	12 43 56.6	13 7 33	WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC4654-FIELD	12 43 56.6	13 7 33	F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC4654-FIELD	12 43 56.6	13 7 33	F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC4854-FIELD	12 43 56.6	13 7 33	F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC4854-FIELD	12 43 56.6	13 7 33	F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
INCA221-84	12 46 41.1	-25 48 56	PC	IMAGE	P8	F658N		1	18	2565	1	CON	1
1244-255INCA221-84	12 46 46.8	-25 47 48	PC	IMAGE	P8	F6Ø6W		1	18	2565	1	CON	1
1244-255INCA221-84	12 46 46.8		PC	IMAGE	P8	F725LP		1	23	2565	1	CON	1
B21244+32B	12 47 2Ø.8		FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
B21244+32B	12 47 20.8		FOS/BL	ACCUM	1.0	G16ØL	1837	1	552	2424	1		. 1
INCA221-84-AST2	12 47 22.0		FGS	POS	2	F55ØW		1	18	2565	1	CON	
INCA221-84-AST1	12 47 38.6		FGS	POS	2	F55ØW		1	18	2565	1	CON	
INCA221-84-AST1	12 47 38.6		FGS	POS	2	F55ØW		1	23	2565	1	CON	
NGC4696	12 48 49.3		PC	IMAGE	ALL	F569W		1	600	2478	1		2
NGC4898	12 48 49.3		PC	IMAGE	ALL	F675W		1	600	2478	1		2
NGC4898	12 48 49.3		PC	IMAGE	ALL	F664N		1	1800	2478	1		1
NGC4696	12 48 49.3		PC	IMAGE	ALL	F664N		1	2100	2478	1		1
B21248+3Ø	12 5ø 25.5		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
B21248+3Ø	12 50 25.5		FOS/BL	ACCUM	1.0	G16ØL	1837	1	827	2424	2		1
NGC4725-FIELD	12 50 26.8		WFC	IMAGE	ALL	F336W		1	2500	2227	1		2
NGC4725-FIELD	12 50 26.8	_	WFC	IMAGE	ALL	F555W		1	2500	2227	1		13
NGC4725-FIELD	12 50 26.8		WFC	IMAGE	ALL	F785LP		1	2500	2227	1		4
NGC4725-FIELD	12 50 26.8		F0C/48	IMAGE	512X1Ø24	F15ØW		1	2500	2227	1	PAR	12
NGC4725-FIELD	12 5Ø 26.8		F0C/48	IMAGE	512X1Ø24	F43ØW		1	2500	2227	1	PAR	3
NGC4725-FIELD	12 50 26.8		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	1	PAR	1
NGC4725-FIELD	12 50 26.8		F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
PG1248+4Ø1	12 50 48.3		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PG1248+4Ø1	12 5Ø 48.3		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PG1248+4Ø1	12 50 48.3		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1926	2424	1		1
PG1248+4Ø1	12 5Ø 48.3		FOS/BL	ACCUM	1.0	G16ØL	1837	1	827	2424	1		1
PG1248+4Ø1	12 50 48.3		FOS/RD	ACCUM	1.0	G27ØH	2753	1	5Ø9	2424	1		1
3C277-1	12 52 26.3		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	900	2578	1		1
3C277-1	12 52 26.3	56 34 2Ø	FOS/BL	ACCUM	1.0	G19ØH	1900	1	438Ø	2578	1		1

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Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp Exp. Time			pec. Req.	Total Lines
	•							-xp:		٠,٠		2100
3C277-1	12 52 26.3	56 34 20	FOS/RD	ACCUM	1.0	G27ØH	2700	1 1080	2578	1		1
3C277-1	12 52 26.3	56 34 20	FOS/BL	ACQ/BINA	4.3	MIRROR		1 11	2578	1	ACQ	1
3C277-1	12 52 26.3		FOS/RD	ACQ/BINA		MIRROR		1 11	2578		ACQ	ī
3C277-1	12 52 26.3		FOS/BL	ACCUM	1.0	G13ØH	1300	1 11220	2578		neq	ī
3C277.1	12 52 26.5		PC	IMAGE	ALL	F6Ø6W	1300		2488			1
	12 52 26.5							1 600		_		_
3C277.1			PC	IMAGE	ALL	F664N		1 1800	2488	1		1
UGC-8Ø16	12 52 56.0		WFC	IMAGE	ALL	F555W		1 300	2775			1
UGC-8Ø16	12 52 56.0		WFC	IMAGE	ALL	F785LP		1 300	2775			1
HD112185	12 54 1.5		HRS	ACCUM	2.0	ECH-B	2061	1 57	2800	1		11
HD112185	12 54 1.5	55 57 38	HRS	ACCUM	2.0	ECH-B	2350	1 57	2800	1		11
HD112185	12 54 1.5	55 57 36	HRS	ACCUM	2.0	ECH-B	2965	1 57	28ØØ	1		11
HD112185	12 54 1.5	55 57 36	HRS	ACCUM	2.0	ECH-B	2795	1 57	2800	1		11
HD112185	12 54 1.5		HRS	ACCUM	2.0	ECH-B	2585	1 57	2800			11
HD112185	12 54 1.5		HRS	ACCUM	2.0	ECH-B	2340	1 57	2800	i		11
HD112185	12 54 1.5		HRS	ACCUM	2.0	ECH-B	2364	1 57	2800	i		11
			HRS							_		
HD112185				ACCUM	2.0	ECH-B	2959	1 57	2800			11
HD112185	12 54 1.5		HRS	ACCUM	2.0	ECH-B	28Ø2	1 57	2800	1		11
3C277.3	12 54 12.0		PC	IMAGE	ALL	F547M		1 600	2488	1		1
3C277.3	12 54 12.0		PC	IMAGE	ALL	F648M		1 600	2488	1		1
PKS1252+11	12 54 38.2	11 41 6	FOS/BL	ACQ/BINA	4.3	MIRROR		1 11	2424	2	ACQ	1
PKS1252+11	12 54 38.2	11 41 6	FOS/RD	ACQ/BINA	4.3	MIRROR		1 11	2424	2	ACQ	1
PKS1252+11	12 54 38.2	11 41 6	FOS/BL	ACCUM	1.0	G16ØL	1837	1 900	2424	2		1
PKS1252+11	12 54 38.2	11 41 6	FOS/RD	ACCUM	1.0	G27ØH	2753	1 624	2424	2		1
PKS1252+11	12 54 38.2		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 2268	2424	2		ī
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A36	1549	1 690	24Ø3	ĩ		ī
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	1 690	2403	ī		i
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A45		-	2403	1		1
			HRS	ACCUM			1240			_		_
HD112244	12 55 56.9				Ø.25	ECH-A45	1258	1 580	2403	1		1
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A4Ø	1391	1 845	2403	1		1
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A47	1197	1 370	24Ø3	1		1
HD112244	12 55 56.9		HRS	ACCUM	Ø.25	ECH-A47	1204	1 585	24Ø3	1		1
MC1253+104	12 56 7.6		FOS/BL	ACQ/BINA		MIRROR		1 11	2424	3	ACQ	1
MC1253+1Ø4	12 56 7.6	10 8 54	FOS/BL	ACCUM	1.0	G16ØL	1837	1 996	2424	3		1
3C279	12 56 11.1	-5 47 22	FGS	TRANS	1	F583W		1 586	2443	1		1
3C279	12 56 11.1	-5 47 22	FGS	TRANS	1	F65ØW		1 586	2443	1		1
3C279	12 56 11.1	-5 47 22	FGS	TRANS	2	F583W		1 586	2443			1
3C279	12 56 11.1		FOS/RD	ACCUM	1.0	G4ØØH	4000	1 780	2578			1
3C279	12 56 11.1		FOS/RD	ACCUM	1.0	G27ØH	2700	1 900	2578			ī
3C279	12 56 11.1		FOS/RD	ACCUM	1.0	G19ØH		1 1740	2578			i
30279	12 56 11.1		FOS/RD				1900				4.00	-
				ACQ/BINA		MIRROR		1 11	2578		ACQ	1
MARKARIAN231	12 56 13.9		PC	IMAGE	P8	F439W		1 200	2616			1
MARKARIAN231	12 56 13.9		PC	IMAGE	P8	F439W		1 2000	2616			1
MARKARIAN231	12 56 13.9		PC	IMAGE	P8	F675W		1 200	2616			1
MARKARIAN231	12 56 13.9		PC ·	IMAGE	P8	F675W		1 2000	2616	1		1
MARKARIAN231	12 56 13.9	56 52 26	PC	IMAGE	P8	F85ØLP		1 200	2616	1		1
MARKARIAN231	12 56 13.9	56 52 26	PC	IMAGE	P8	F85ØLP		1 2000	2616			1
NGC4828	12 56 43.7		PC	IMAGE	ALL	F555W		1 30	2600			1
NGC4828	12 56 43.7		PC	IMAGE	ALL	F555W		1 300	2600	_		ī
NGC4826	12 56 43.7		PC	IMAGE	ALL	F785LP		1 23	2600			ī
NGC4828	12 56 43.7		PC	IMAGE	ALL				2600			1
			HRS	ACCUM		F785LP	0007	1 230				1
1254+047	12 56 59.9				2.0	G27ØM	28Ø7	5 500	2553		100	1
PG1254+Ø47	12 57 Ø.1	4 27 34	FOS/BL	ACQ/BINA	4.3	MIRROR		1 11	2424	3	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
PG1254+Ø47	12 57 Ø.1		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG1254+Ø47	12 57 Ø.1		FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	3		1
PG1254+Ø47	12 57 Ø.1		FOS/RD	ACCUM	1.0	G27ØH	2753	1	450	2424	3		1
GD-153	12 57 2.2		HRS	ACCUM	2.0	G14ØL	1288	1	900	2593	2		1
GR8 GR8	12 58 39.9		WFC	IMAGE	ALL	F194W		1	5ØØ	2416	1		1
GR8	12 58 39.9 12 58 39.9		WFC WFC	IMAGE	ALL	F547M		1	9Ø	2416	1		1
GR8	12 58 39.9		WFC	IMAGE IMAGE	ALL ALL	F656N F7Ø2W		1 1	3000	2418	1		1
GR8	12 58 39.9		WFC	IMAGE	ALL	F555W		2	100 100	2416 2416	1		1
GR8	12 58 39.9		WFC	IMAGE	ALL	F5Ø2N		_	2500	2416	1		1
GR8	12 58 39.9		WFC	IMAGE	ALL	F336W		2	24Ø	2416	i		1
GR8	12 58 39.9		WFC	IMAGE	ALL	F439W		2	15Ø	2416	i		i
GR8	12 58 39.9		WFC	IMAGE	ALL	F785LP		ī	200	2416	î		i
UGC-81Ø2	12 59 27.0		WFC	IMAGE	ALL	F555W		ī	300	2775	ī		ī
UGC-81Ø2	12 59 27.0		WFC	IMAGE	ALL	F785LP		ī	300	2775	î		i
NGC4874-NORTH	12 59 36.4		WFC	IMAGE	ALL	F791W			2400	237Ø	ī		ī
NGC4874-NORTH	12 59 36.4	27 58 20	WFC	IMAGE	ALL	F555W			2500	237Ø	· 1		ī
NGC4889-WEST	13 Ø 4.1	27 58 20	WFC	IMAGE	ALL	F791W		3	2400	237Ø	1		1
NGC4889-WEST	13 Ø 4.1		WFC	IMAGE	ALL	F555W		5	25ØØ	237Ø	1		1
1258+356	13 1 3.2		PC	IMAGE	ALL	F664N		3	600	2687	1		. 1
1258+356	13 1 3.2		PC	IMAGE	ALL	F718M		3	120	2687	1		1
PG1259+593	13 1 12.9		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG1259+593	13 1 12.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG1259+593	13 1 12.9		FOS/RD	ACCUM	1.0	G27ØH	2753	1	300	2424	3		1
PG1259+593 PG1259+593	13 1 12.9		FOS/RD	ACCUM	1.0	G19ØH	1980	1	786	2424	3		1
ES0-1259-5003	13 1 12.9 13 2 21.0		FOS/BL WFC	ACCUM	1.0	G13ØH	1379		6672	2424	3		1
ES0-1259-5003	13 2 21.0		WFC	IMAGE IMAGE	ALL ALL	F555W F785LP		1 1	3ØØ 3ØØ	2775 2775	1		1
POINT1302-102INCA221			S/C	POINTING		LIDOLL		1	aue Ø	2861	1		1 1
-87	10 4 40.0	-10 20 10	5/6	1 01111111	**			-	Ð	2001	•		1
INCA221-87	13 5 26.5	-10 19 29	FGS	POS	2	F55ØW		1	51	2861	1		2
PKS13Ø2-1Ø2	13 5 33.0		WFC	IMAGE	ÄLL	F785LP		ī	500	2425	ī		ī
PKS13Ø2-1Ø2	13 5 33.Ø	-10 33 20	WFC .	IMAGE	ALL	F785LP		1	2300	2425	ī		ī
1302-102INCA221-87	13 5 33.0	-10 33 20	FGS	POS	2	F55ØW		1	51	2861	1		3
1302-102INCA221-88	13 5 33.0	-10 33 20	FGS	POS	2	F55ØW		1	51	2861	1		3
PKS13Ø2-1Ø2	13 5 33.0	-10 33 20	FOS/BL	ACQ/BINA	4.3	MIRROR		1	7	2424	1	ACQ	1
PK\$13Ø2-1Ø2	13 5 33.0		FOS/BL	ACCUM	1.0	G13ØH	1379	1	162Ø	2424	1		1
INCA221-88	13 5 41.7		FGS	POS	2	F55ØW		1	51	2861	1		2
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F555W		1	300	2547	1		5
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F555W		1	600	2547	1		6
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F7Ø2W		1	600	2547	1		1
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F7Ø2W		1	900	2547	1		1
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F555W			1200	2547	1		10
IC4182-FIELD IC4182-FIELD	13 5 46.9 13 5 46.9		WFC WFC	IMAGE	ALL ALL	F7Ø2W			1200	2547	1		1
IC4182-FIELD	13 5 46.9 13 5 46.9		WFC	IMAGE IMAGE	ALL	F785LP F785LP			1800	2547	1		1
IC4182-FIELD	13 5 46.9		WFC	IMAGE	ALL	F785LP			1200 2400	2547 2547	1		1
POINT1302-102INCA221			S/C	POINTING		1 100LI		1 1	2400 Ø	2861	1		1 1
-88	-0 0 17.3	-10 33 40	J/ C	LOTHITHG	• •			1	ט	700I	1		1
PG13Ø7+Ø85	13 9 47.0	8 19 49	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
PG13Ø7+Ø85	13 9 47.0	8 19 49	FOS/BL	ACCUM	1.0	G13ØH	1379		2496	2424	2	,	1
B213Ø8+32	13 10 28.7	32 20 43	FOS/RD	ACQ/BINA	4.3	MIRROR		1	4	2424	1	ACQ	1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
· · ·	(2333)	000(2000)		mode	Apol oul o	LIGHON	navo.	-AP.			oyq.	211103
B213Ø8+32	13 10 28.7	32 20 43	FOS/RD	ACCUM	1.0	G27ØH	2753	1	456	2424	1	1
B213Ø8+32	13 10 28.7	32 20 43	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	2586	2424	1	1
B2-13Ø8+326	13 10 28.7		PC	IMAGE	ALL	F555W		1	200	235Ø	1	1
B2-13Ø8+326	13 10 28.7		PC	IMAGE	ALL	F555W		1	800	235Ø	1	ī
13H-DEEP-FIELD	13 12 16.1		WFC	IMAGE	W1	F555W		1	2500	2365	1	7
13H-DEEP-FIELD	13 12 16.1		F0C/48	IMAGE	512X1Ø24	F22ØW		1	1816	2365	1	8
ES0-1310-1915	13 13 Ø.9	-19 31 4	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ES0-1310-1915		-19 31 4	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
UGC-8334	13 15 48.4		WFC	IMAGE	ALL	F555W		1	300	2775	1	1
UGC-8334	13 15 48.4	42 1 58	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
ES0-1316-2046	13 18 53.6	3 -21 2 21	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ES0-1316-2046	13 18 53.6	3 -21 2 21	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
PKS1317-ØØ	13 19 38.6	-0 49 41	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1 ACQ	1
PKS1317-ØØ	13 19 38.6	-0 49 41	FOS/BL	ACCUM	1.0	G16ØL	1837	1	588	2424	1	1
T0N153	13 19 56.0	27 28 11	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2 ACQ	1
T0N153	13 19 58.0	7 27 28 11	FOS/RD	ACQ/BINA		MIRROR		1	11	2424	2 ACQ	1
T0N153	13 19 56.0		FOS/BL	ACCUM	1.0	G16ØL	1837	1	624	2424	2	1
T0N153	13 19 56.6	7 27 28 11	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1440	2424	2	1
T0N153	13 19 56.0	3 27 28 11	FOS/RD	ACCUM	1.0	G27ØH	2753	1	348	2424	2	1
T0N156	13 21 15.9	28 47 19	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3 ACQ	1
T0N156	13 21 15.9	28 47 19	FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3 ACQ	1
T0N158	13 21 15.9	28 47 19	FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	3	1
T0N158	13 21 15.9	28 47 19	FOS/RD	ACCUM	1.0	G27ØH	2753	1	672	2424	3	1
ES0-1319-271Ø	13 21 45.9	9 -27 25 53	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ES0-1319-271Ø	13 21 45.9	9 -27 25 53	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
NGC51Ø2-F2	13 21 52.1	l -36 39 1	PC	IMAGE	ALL	F439W		1	3000	2436	1	1
NGC51Ø2-F2	13 21 52.1	l -36 39 1	PC	IMAGE	ALL	F569W		1	3000	2436	1	1
NGC51Ø2-F1	13 21 55.8		PC	IMAGE	ALL	F569W		1	3000	2436	1	1
NGC51Ø2-F1	13 21 55.8		PC	IMAGE	ALL	F439W		3	1500	2436	1	1
NGC51Ø2-F3	13 22 23.6		PC	IMAGE	ALL	F439W		1	3000	2436	1	1
NGC51Ø2-F3	13 22 23.6		PC	IMAGE	ALL	F569W		1	3000	2436	1	1
HD116658	13 25 11.5		HRS	RAPID	2.0	G2ØØM	1829	1	7Ø	2544	1	5
HD118658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1122	1	1Ø	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1303	1	9	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	6	2251	2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1548	1	8	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1159	1	7	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-B	1744	1	17	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-B	1807	1	11	2251	2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1547	1	.8	2251	2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1548	1	8	2251	2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-B	2323	1	3	2251	2	1
HD116658		3 -11 9 41	HRS	WSCAN	Ø.25	ECH-B	2058	1	9	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-B	2025	1	9	2251	2	1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1240	1	12	2251	2	1
HD116658		3 -11 9 41	HRS	WSCAN	Ø.25	ECH-A	1357	1	19	2251	. 2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1251	1	3	2251	2	2
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1252	1	3	2251		1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1334	1	3	2251	2	1
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-A	1333	1	3	2251	2	2
HD116658	13 25 11.6		HRS	ACCUM	Ø.25	ECH-B	2324	1	3	2251	2	1
HD116658	13 25 11.6	3 -11 9 41	HRS	ACCUM	Ø.25	ECH-B	2325	1	3	2251	2	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy .	Spec. Req.	Total Lines
HD116658	13 25 11.6	3 -11 9 41	HRS	WSCAN	Ø.25	ECH-A	1192	1	8	2251	2		1
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-B	1827	î	13	2251	2		ī
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1279	ī	7	2251	2		ī
HD116658	13 25 11.6		HRS	WSCAN	Ø.25	ECH-A	1391	ī	22	2251	2		ī
HD116658	13 25 11.7		HRS	ACCUM	Ø.25	ECH-A36	1549	ī	138	24Ø3	ī		ī
HD116658	13 25 11.7		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	ī	138	24Ø3	1		ī
HD116858	13 25 11.7		HRS	ACCUM	Ø.25	ECH-A45	1240	ī	127	24Ø3	1		ī
HD116658	13 25 11.7	-11 9 41	HRS	ACCUM	Ø.25	ECH-A45	1258	1	116	24Ø3	1		ī
HD116658	13 25 11.7	-11 9 41	HRS	ACCUM	Ø.25	ECH-A4Ø	1391	1	169	24Ø3	1		1
HD116658	13 25 11.7	-11 9 41	HRS	ACCUM	Ø.25	ECH-A47	1197	1	74	24Ø3	1		1
HD116658	13 25 11.7	-11 9 41	HRS	ACCUM	Ø.25	ECH-A47	1204	1	117	24Ø3	1		1
NGC5139	13 25 37.0	-47 35 38	PC	IMAGE	P8	F6Ø6W		1	6	2565	1		2
NGC5139	13 25 37.0	-47 35 38	PC	IMAGE	P8	F658N		1	600	2565	1		1
ROA4Ø	13 25 51.9	-47 30 16	HRS	ACCUM	2.0	G27ØM	28Ø1	5	900	2693	1		1
ROA76		3 -47 31 19	HRS	ACCUM	2.0	G27ØM	28Ø1	5	900	2693	1		1
ROA46		-47 20 52	HRS	ACCUM	2.0	G27ØM	28Ø1	5	900	2693	1		1
NGC5194	13 29 50.4		WFC	IMAGE	ALL	F336W		1	3000	2576	1		1
NGC5194	13 29 50.4		WFC	IMAGE	ALL	F658N		1	3000	2576	1		1
NGC5194	13 29 50.4		WFC	IMAGE	ALL	F439W		1	1800	2576	1		1
NGC5194	13 29 50.4		WFC	IMAGE	ALL	F569W		1	1200	2576	1		1
NGC5194	13 29 50.4		WFC	IMAGE	ALL	F675W		1	2800	2576	1		1
PKS1327-21		-21 42 2	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PKS1327-21		-21 42 2	FOS/RD	ACQ/BINA		MIRROR	4007	1	11	2424	1	ACQ	1
PKS1327-21	13 3Ø 7.1 13 3Ø 7.1	21 42 2 21 42 2	FOS/BL FOS/RD	ACCUM	1.0 1.0	G16ØL	1837	1	696	2424	1		1
PKS1327-21 PKS1327-21		-21 42 2	FOS/RD	ACCUM ACCUM	1.0	G19ØH G27ØH	1980	1	2130	2424	1		1
WD1327-Ø83	13 30 7.1		PC	IMAGE	P5	F555W	2753	1	744 Ø	2424 2579	1		1
WD1327-Ø83	13 30 14.4		PC	IMAGE	P6	F555W		1 1	Ø	2579	1		1
WD1327-Ø83	13 30 14.4		PC	IMAGE	P7	F555W		i	Ø	2579	1		i
WD1327-Ø83	13 30 14.4		PČ	IMAGE	P8	F336W		i	1	2579	ī		ī
WD1327-Ø83	13 30 14.4		PČ	IMAGE	P8	F439W		i	ø	2579	ī		ī
WD1327-Ø83	13 30 14.4		PC	IMAGE	P8	F555W		ī	ø	2579	ī		ī
WD1327-Ø83	13 30 14.4		PC ·	IMAGE	P6	F336W		ī	2	2579	ī		ī
WD1327-Ø83	13 30 14.4		PC	IMAGE	P7	F336W		ī	2	2579	ī		ī
WD1327-Ø83	13 30 14.4	-8 34 40	PC	IMAGE	P5	F785LP		ī	ī	2579	ī		ī
WD1327-Ø83	13 30 14.4	-8 34 40	PC	IMAGE	P6	F785LP		ī	ĩ	2579	1		ī
WD1327-Ø83	13 30 14.4	-8 34 4Ø	PC	IMAGE	P8	F785LP		1	1	2579	1		1
WD1327-Ø83	13 30 14.4	-8 34 40	PC	IMAGE	P5	F336W		1	2	2579	1		1
WD1327-Ø83	13 30 14.4	-8 34 40	PC ·	IMAGE	P5	F439W		1	Ø	2579	1		1
WD1327-Ø83	13 3Ø 14.4	-8 34 40	PC	IMAGE	P6	F439W		1	Ø	2579	1		1
WD1327-Ø83	13 30 14.4	-8 34 40	PC	IMAGE	P7	F439W		1	ø	2579	1		1
WD1327-Ø83	13 30 14.4		PC	IMAGE	P7	F785LP		1	1	2579	1		1
3C287.Ø	13 30 37.7		F0S/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
3C287.Ø	13 30 37.7		FOS/BL	ACCUM	1.0	G16ØL	1837	1	978	2424	2		1
3C286.Ø	13 31 8.3		PC	IMAGE	ALL	F7Ø2W		2	600	2488	1		1
MC1331+17Ø	13 33 35.8		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	36Ø	2578	2		1
MC1331+17Ø	13 33 35.8		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	1
PG1333+176	13 36 2.0		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
PG1333+176	13 36 2.0		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
PG1333+176	13 36 2.2		FOS/BL	ACCUM	1.0	G16ØL	1837	1	384	2424	2		1
PG1333+176	13 36 2.0		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1080	2424	2		1
PG1333+178	13 36 2.0	17 25 14	FOS/RD	ACCUM	1.0	G27ØH	2753	1	372	2424	2		1

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Target	RA (2000) [	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	TD	Spec	
i at geo	MA(2000) [	76C (2000)	coning.	Mode	Vberrare	E i ellien c	mave.	Exp.	i ime	ID	Cy. Req	. Lines
IC4298	13 36 39.Ø -	.22 E7 E8	F0C/96	IMAGE	512X512	F342W		1	24Ø	2005	•	
IC4296	13 36 39.Ø -		F0C/96	IMAGE	512X512 512X512	F48ØLP		i	460	2295 2295	1	1
IC4296	13 36 39.Ø -		F0C/96	IMAGE	512X512 512X512	F175W			2Ø39	2295		1
WOLF-489	13 36 42.0	3 41 26	FOS/RD	ACCUM		G27ØH	2700		2039 1920	2593	1	1
M83-PAR1					1.0		2100				2	1
M83-PAR1		-29 51 51	WFC	IMAGE	ALL	F547M		1	600	2356	1 PAR	1
M83-PAR1		-29 51 51	WFC	IMAGE	ALL	F658N			2000	2356	1 PAR	1
		-29 51 51	WFC	IMAGE	ALL	F5Ø2N			2200	2356	1 PAR	1
M83-PAR1		-29 51 51	WEC	IMAGE	ALL	F673N			2200	2356	1 PAR	1
M83-PAR2		-29 51 51	WFC	IMAGE	ALL	F547M		1	600	2356	1 PAR	1
M83-PAR2		-29 51 51	WFC	IMAGE	ALL	F658N			2000	2356	1 PAR	1
M83-PAR2		-29 51 51	WFC	IMAGE	ALL	F5Ø2N			2200	2356	1 PAR	1
M83-PAR2		-29 51 51	WFC	IMAGE	ALL	F673N			2200	2356	1 PAR	1
M83-Q1		-29 50 28	WFC	IMAGE	ALL	F547M			2000	2356	1	1
M83-Q1		-29 5Ø 28	WFC	IMAGE	ALL	F5Ø2N			2600	2356	1	1
M83-Q1		-29 5Ø 28	WFC	IMAGE	ALL	F658N			3600	2356	1	1
M83-Q1		-29 5Ø 28	WFC	IMAGE	ALL	F673N			3600	2356	1	1
ESO-1335-1737		-17 53 1	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
ES0-1335-1737		-17 53 1	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
NGC5253-FIELD	13 39 57.2 -		WFC	IMAGE	ALL	F555W		1	3ØØ	2547	1	5
NGC5253-FIELD	13 39 57.2 -		WFC	IMAGE	ALL	F555W		1	600	2547	1	6
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F7Ø2W		1	600	2547	1	. 1
NGC5253-FIELD	13 39 57.2 -		WFC	IMAGE	ALL	F7Ø2W		1	9ØØ	2547	1	1
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F555W		1	1200	2547	1	10
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F7Ø2W		1	1200	2547	1	1
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F785LP		1	18ØØ	2547	1	1
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F785LP		1	1200	2547	1	1
NGC5253-FIELD	13 39 57.2 -	-31 39 32	WFC	IMAGE	ALL	F785LP		1	2400	2547	1	1
PG1338+416	13 41 Ø.8	41 23 14	F0C/288	IMAGE	512X512	F21ØM		1	1200	2624	1	1
PG1338+416	13 41 1.0	41 23 10	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3 ACQ	1
PG1338+416	13 41 1.0	41 23 10	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3 ACQ	1
PG1338+416	13 41 1.0	41 23 1Ø	FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	3	1
PG1338+416	13 41 1.0	41 23 10	FOS/RD	ACCUM	1.0	G27ØH	2753	1	342	2424	3	1
3C288-1	13 42 13.2	6Ø 21 43	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	132Ø	2578	2	1
3C288-1	13 42 13.2	6Ø 21 43	FOS/RD	ACCUM	1.0	G27ØH	2700	1	162Ø	2578	2	1
3C288-1	13 42 13.2	60 21 43	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	2 ACQ	1
B2134Ø+29	13 43 Ø.2	28 44 8	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1 ACQ	1
B2134Ø+29	13 43 Ø.2	28 44 8	FOS/BL	ACCUM	1.0	G16ØL	1837	1	468	2424	1	1
1341+258	13 43 58.6	25 38 52	HRS	ACCUM	2.0	G27ØM	2851	5	500	2553	1	1
HD1196Ø8	13 44 31.3 -	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1122	1	348	2251	2	ī
HD1196Ø8	13 44 31.3 -	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1159	1	261	2251	2	ī
HD1196Ø8	13 44 31.3 -	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	13ø3	1	33Ø	2251	2	1
HD1196Ø8	13 44 31.3 -	-17 56 13	HRS	WSCAN	Ø.25	ECH-B	1744	1	591	2251	2	<u>1</u>
HD1196Ø8	13 44 31.3 -		HRS	WSCAN	Ø.25	ECH-B	1807	1	400	2251	2	ī
HD1196Ø8	13 44 31.3 -		HRS	WSCAN	Ø.25	ECH-B	237Ø	ī	2Ø8	2251	2	ī
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-B	2323	ī	127	2251	2	ī
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1548	ī	278	2251	2	ī
HD1196Ø8 .	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1547	ī	278	2251	2	ī
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1548	î	278	2251	2	i
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1251	ī	110	2251	2	2
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1252	i	110	2251	2	1
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1334	i	133	2251	2	1
HD1196Ø8	13 44 31.3 -		HRS	ACCUM	Ø.25	ECH-A	1333	1	133	2251	2	2
	10 TT 31.3 -	-T1 00 T2	11113	ACCOM	J.20	FCII-V	1999	-	100	2231	4	4

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD1196Ø8	13 44 31.3	3 -17 56 13	HRS	ACCUM	Ø.25	ECH-B	2324	1	127	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HŔS	ACCUM	Ø.25	ECH-B	2325	1	127	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1192	1	295	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	Ø.25	ECH-B	1827	1	469	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	Ø.25	ECH-B	2058	1	33Ø	2251	2		1
HD1196Ø8	13 44 31.3	-17 58 13	HRS	WSCAN	Ø.25	ECH-A	1279	1	261	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1240	1	417	2251	2		1
HD1196Ø8	13 44 31.3	-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1357	1	661	2251	2		1
HD1196Ø8		-17 56 13	HRS	WSCAN	Ø.25	ECH-A	1391	1	765	2251	2		1
HD1196Ø8		3 -17 56 13	HRS	WSCAN	Ø.25	ECH-B	2025	1	33Ø	2251	2		1
HD12ØØ86	13 47 19.2		HRS	ACCUM	2.0	ECH-B	18Ø8	1	86	2348	1		1
HD12ØØ86	13 47 19.2		HRS	ACCUM	2.Ø	ECH-A	1251	1	72	2348	1		1
HD120086	13 47 19.2		HRS	ACCUM	2.0	ECH-A	13Ø3	1	72	2348	1		1
HD120086	13 47 19.2		HRS	ACCUM	2.0	ECH-A	16Ø9	1	158	2348	1		1
HD12ØØ86	13 47 19.2		HRS	ACCUM	2.0	ECH-A	1672	1	23Ø	2348	1		1
HD12ØØ86	13 47 19.2		HRS	ACCUM	2.0	ECH-B	1858	1	100	2348	1		1
ABELL1795	13 48 52.5		WFC	IMAGE	ALL	F23ØW		1	7200	263Ø	1		1
ABELL1795	13 48 52.5		WFC	IMAGE	ALL	F439W		1	2900	263Ø	1		1
ABELL1795	13 48 52.5		WFC	IMAGE	ALL	F725LP		1	2000	263Ø	1	4.00	1
4C53.28	13 49 34.8		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
4C53.28 Q1349+001	13 49 34.8 13 51 50.4		FOS/BL	ACCUM	1.0	G16ØL	1837	1	654	2424	2		1
3C293.Ø	13 51 50.2		F0C/288 PC	IMAGE	512X512	F22ØW F2ND		1	1200	2624	1		1
3C293.Ø	13 52 17.8		PC PC	IMAGE IMAGE	ALL	F517N		1	800	2488	1		1
PG1351+84	13 53 15.9		FOS/BL	ACQ/BINA	ALL	F569W		2	3ØØ 7	2488	1	4.00	1
PG1351+64	13 53 15.9		FOS/BL	VCG/PINV	Ø.5	MIRROR G270H	2769	1 1	500	2717 2717	1	ACQ	1 1
PG1351+64	13 53 15.9		FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	2400	2717	1		1
PG1351+64	13 53 15.9		FOS/BL	ACCUM	Ø.5	G19ØH	1944	1	1900	2717	i		1
PG1352+Ø11	13 54 58.7		FOS/BL	ACQ/BINA		MIRROR	1377	i	11	2424	ī	ACQ	î
PG1352+Ø11	13 54 58.7		FOS/RD	ACQ/BINA		MIRROR		î	8	2424	ī	ACQ	ī
PG1352+Ø11	13 54 58.7		FOS/BL	ACCUM	1.Ø	G16ØL	1837	ī	75Ø	2424	ī	neq	ī
PG1352+Ø11	13 54 58.7		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	396	2424	ī		ī
PG1352+Ø11	13 54 58.7		FOS/RD	ACCUM	1.0	G19ØH	198ø	1	1764	2424	- ī		ī
HD1218ØØ	13 55 15.5		HRS	ACCUM	2.0	G16ØM	1540	2	288	2257	ī		1
HD121800	13 55 15.8	66 7 Ø	HRS	ACCUM	2.0	G16ØM	186Ø	2	33Ø	2257	1		1
HD1218ØØ	13 55 15.5	66 7 Ø	HRS	ACCUM	2.0	G16ØM	1245	2	240	2257	1		1
HD1218ØØ	13 55 15.5	66 7 Ø	HRS	ACCUM	2.0	ECH-B	1855	3	36Ø	2257	1		1
HD1218ØØ	13 55 15.5	66 7 Ø	HRS	ACCUM	2.0	ECH-A	1549	4	300	2257	1		1
HD1218ØØ	13 55 15.8	66 7 Ø	HRS	ACCUM	2.0	G16ØM	1342	2	186	2257	1		1
HD1218ØØ	13 55 15.5	66 7 Ø	HRS	ACCUM	2.0	G16ØM	1387	2	318	2257	1		1
HD1218ØØ	13 55 15.8	66 7 Ø	HRS	ACCUM	2.0	ECH-A	1236	3	276	2257	1		1
HD1218ØØ	13 55 15.8		HRS	ACCUM	2.0	ECH-A	1392	4	3Ø6	2257	1		1
HD1218ØØ	13 55 15.5	66 7 Ø	HRS	ACCUM	2.0	ECH-B	26Ø3	2	311	2257	1		1
MARK463	13 56 2.8		FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
MARK463	13 56 2.8		FOS/BL	ACCUM	1.Ø	G13ØH	1379	1	528	2424	3		1
MKN463	13 56 2.9		PC	IMAGE	ALL	F517N		1	1200	2488	1		1
MKN463	13 56 2.9		PC	IMAGE	ALL	F588N		1	1200	2488	1		1
MRK463E	13 56 2.9		FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK463E	13 56 2.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	1		1
UGC-8853	13 56 12.6		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
UGC-8853	13 56 12.6		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PKS1354+19	13 57 4.8	19 19 6	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
PKS1354+19	13 57 4.	5 19 19 6	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
PKS1354+19	13 57 4.	5 19 19 6	F0S/BL	ACCUM	1.0	G16ØL	1837	1	456	2424	2	•	1
PKS1354+19	13 57 4.	5 19 19 6	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1158	2424	2		1
PKS1354+19	13 57 4.	5 19 19 6	FOS/RD	ACCUM	1.0	G27ØH	2753	1	365	2424	2		1
ES0-1355-29Ø4	13 57 54.		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-1355-29Ø4	13 57 54.		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
4C58.29	13 58 17.		F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
4C58.29	13 58 17.		FOS/BL	ACCUM	1.0	G16ØL	1837	1	1170	2424	3		1
PKS1355-418		2 -41 52 53	PC	IMAGE	ALL	F664N		2	6ØØ	2687	1		1
PKS1355-418		2 -41 52 53	PC	IMAGE	ALL	F718M		3	120	2687	1		1
PG1358+Ø4	14 Ø 31.		F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
PG1358+Ø4	14 Ø 31.		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG1358+Ø4	14 Ø 31.		FOS/RD	ACCUM	1.0	G27ØH	2753	1	48Ø	2424	3		1
PG1358+Ø4	14 Ø 31.		FOS/BL	ACCUM	1.0	G13ØH	1379		Ø77Ø	2424	3		1
PG1358+Ø4	14 Ø 31.		FOS/RD	ACCUM	1.0	G19ØH	198Ø	_	1344	2424	3		1
HD122563	14 2 32.		HRS	ACCUM	Ø.25	ECH-B19	2927		3567	2474	1		1
HD122563	14 2 32.		HRS	ACCUM	Ø.25	ECH-B19	2997		3567	2474	1		1
HD122563	14 2 32.		HRS	ACCUM	Ø.25	ECH-B18	3Ø61	3	4200	2474	1		1
NGC5457-FLD1	14 3 12.		WFC	IMAGE	ALL	F336W			1200	2227	1		2
NGC5457-FLD1	14 3 12.		WFC	IMAGE	ALL	F555W			1200	2227	1		13
NGC5457-FLD1	14 3 12.		WFC	IMAGE	ALL	F785LP			1200	2227	1		4
NGC5457-FLD1	14 3 12.		F0C/48	IMAGE	512X1Ø24	F15ØW			1200	2227	1	PAR	12
NGC5457-FLD1	14 3 12.		F0C/48	IMAGE	512X1Ø24	F43ØW		1	1200	2227	1	PAR	3
NGC5457-FLD1	14 3 12.		F0C/48	IMAGE	512X1Ø24	F15ØW			1200	2227	1	PAR	1
NGC5457-FLD1	14 3 12.		F0C/48	IMAGE	512X1Ø24	F43ØW			1200	2227	1	PAR	1
NGC5457-FLD2	14 3 12.		WFC WFC	IMAGE IMAGE	ALL ALL	F336W			1200	2227	1		2
NGC5457-FLD2	14 3 12. 14 3 12.		WFC	IMAGE	ALL	F555₩ F785LP			1200	2227	1		13
NGC5457-FLD2 NGC5457-FLD2	14 3 12. 14 3 12.		F0C/48	IMAGE	512X1Ø24	F15ØW		1	1200	2227 2227	1	PAR	4 12
NGC5457-FLD2	14 3 12.		F0C/48	IMAGE	512X1024 512X1024	F43ØW			1200 1200	2227	1	PAR	3
NGC5457-FLD2	14 3 12.		F0C/48	IMAGE	512X1024	F15ØW			1200	2227	1	PAR	1
NGC5457-FLD2	14 3 12.		F0C/48	IMAGE	512X1024	F43ØW		2	1200	2227	i	PAR	i
1E14Ø1+Ø952	14 4 11.		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	i
1E14Ø1+Ø952	14 4 11.		FOS/RD	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	i
1E14Ø1+Ø952	14 4 11.		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	438	2424	3	neq	ī
1E14Ø1+Ø952	14 4 11.		FOS/BL	ACCUM	1.0	G13ØH	1379	ī	9948	2424	3		ī
1E14Ø1+Ø952	14 4 11.		FOS/RD	ACCUM	1.0	G19ØH	198ø	ī	1218	2424	3		ī
UGC-9Ø13	14 5 1.		WFC	IMAGE	ALL	F555W		ī	300	2775	ĭ		ī
UGC-9Ø13	14 5 1.		WFC	IMAGE	ALL	F785LP		ī	300	2775	ī		ī
PG14Ø2+261	14 5 16.		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	<u>1</u>
PG14Ø2+261	14 5 16.		FOS/BL	ACCUM	1.0	G13ØH	1379	ī	3683	2424	2		ī
INCA221-92	14 8 40.		FGS	POS	2	F55ØW		1	51	2861	ī		2
STAR294	14 6 43.		PC	IMAGE	ALL-ND	F413M		2	1700	2698	1		1
3C294	14 6 44.		F0C/96	IMAGE	512X512	F346M		2	2800	2698	ī		ī
1404+286INCA221-92	14 7 Ø.		FGS	POS	2	F55ØW		1	51	2861	ī		3
POINT1404+286 INCA22			S/C	POINTING				ī	ø	2861	ī		1
-92			•					-	-		_		
V834-CEN	14 9 7.	5 -45 17 17	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	1741	266Ø	1		1
PG14Ø7+265	14 9 23.		F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
PG14Ø7+265	14 9 23.	9 26 18 22	FOS/BL	ACCUM	1.Ø	G16ØL	1837	1	528	2424	1	-	1
PG1407+265	14 9 23.		FOS/RD	ACCUM	1.0	G27ØH	2753	1	33Ø	2424	1		1
PG14Ø7+265	14 9 23.	9 26 18 22	F0S/RD	ACCUM	1.0	G19ØH	1980	1	1284	2424	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		cp. ime	ID		Spec. Req.	Total Lines
PG14Ø7+265	14 9 23.9	26 18 22	FOS/RD	ACQ/BINA	4.3	MIRROR		1	7 2	424	1	ACQ	1
PG14Ø7+265	14 9 24.0	26 18 22	FOS/BL	ACCUM	Ø.5	PRISM	3675	1 1		296	1		1
PG14Ø7+265	14 9 24.6	26 18 22	FOS/BL	ACCUM	Ø.5	G19ØH	1938	1 34	9Ø 2	296	1		1
PG14Ø7+265	14 9 24.0	26 18 22	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1 7	20 2	296	1		1
PG14Ø7+265	14 9 24.6	26 18 22	FOS/BL	ACQ/BINA	4.3	MIRROR		1	6 2	296	1	ACQ	ī
PG14Ø7+265	14 9 24.0	26 18 22	FOS/BL	ACCUM	0.5	G13ØH	1379	1 65	99 2	296	1	•	1
PG1411+218	14 13 27.2	21 37 48	HRS	ACCUM	2.0	G14ØL	1288	1 9	9Ø 2	593	2		1
Q1413+117-C	14 15 46.0	11 29 45*	FOS/RD	ACCUM	Ø.5	G4ØØH		1 23	5Ø 2	649	1		1
Q1413+117-C	14 15 46.0	11 29 45*	FOS/RD	ACCUM	Ø.5	G57ØH		1 23	5Ø 2	849	1		1
Q1413+117-C	14 15 46.0	11 29 45*	FOS/RD	ACQ/PEAK	Ø.5	MIRROR		1	23 2	849	1	ACQ	1
Q1413+117	14 15 46.3	11 29 44	PC	IMAGE	P7	F439W		1 9	3Ø 2	649	1	ACQ	1
Q1413+117	14 15 46.3	11 29 44	PC	IMAGE	P7	F7Ø2W		2 1	4 2	849	1	ACQ	1
Q1413+117	14 15 46.3	11 29 44	PC	IMAGE	ALL	F439W		1 9	3Ø 2	649	1	ACQ	1
Q1413+117	14 15 46.3	11 29 44	PC	IMAGE	ALL	F439W		2 4	5Ø 2	649	1	ACQ	1
Q1413+117-A	14 15 46.3	11 29 44*	FOS/RD	ACCUM	Ø.5	G4ØØH		1 18	9Ø 2	849	1	•	1
Q1413+117-A	14 15 48.3	11 29 44*	FOS/RD	ACCUM	Ø.5	G57ØH		1 18	9Ø 2	649	1		1
Q1413+117-A	14 15 46.3	11 29 44*	FOS/RD	ACQ/PEAK	Ø.5	MIRROR		1	18 2	649	1	ACQ	1
1413+117	14 15 46.3	11 29 44	WFC	IMAGE	ALL	F555W		1 1	9Ø 2	35Ø	1		1
1413+117	14 15 46.3	11 29 44	WFC	IMAGE	ALL	F555W			9Ø 2	35Ø	1		1
1413+117	14 15 46.3		WFC	IMAGE	ALL	F555W		1 20		35Ø	1		1
1413+117	14 15 48.3		WFC	IMAGE	ALL	F785LP				35Ø	1		1
1413+117	14 15 48.3		WFC	IMAGE	ALL	F785LP				35Ø	1		1
1413+117	14 15 46.3		WFC	IMAGE	ALL	F785LP		1 20	_	35Ø	1		1
Q1413+117-GAL	14 15 48.3			ACCUM	Ø.5	G65ØL		1 26	_	849	1		1
Q1413+117-B	14 15 46.4			ACCUM	Ø.5	G4ØØH	•	1 21		849	1		1
Q1413+117-B	14 15 46.4			ACCUM	Ø.5	G57ØH		1 21		649	1		1
Q1413+117-B	14 15 46.4			ACQ/PEAK		MIRROR				649	1	ACQ	1
Q1413+117-OFFSET	14 15 47.7		FOS/RD	ACQ/BINA		MIRROR		_		649	1	ACQ	1
NGC5055-FIELD	14 16 1.8		WFC	IMAGE	ALL	F555W				547	1		6
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F7Ø2W				547	1		1
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL.	F7Ø2W				547	1		1
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F555W		1 12		547	1		10
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F7Ø2W		1 12		547	1		1
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F785LP		1 18		547	1		1
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F785LP		1 12	_	547	1		1
NGC5Ø55-FIELD	14 16 1.8		WFC	IMAGE	ALL	F785LP		1 24		547	1		1
1E1415+2513	14 17 18.6		PC	IMAGE	ALL	F555W				35Ø	1		1
1E1415+2513	14 17 18.6		PC	IMAGE	ALL	F555W				35Ø	1		1
MC1415+172	14 18 3.8		FOS/BL	ACQ/BINA		MIRROR	1007			424	3	ACQ	1
MC1415+172	14 18 3.8		FOS/BL	ACCUM	1.0	G16ØL	1837			424	3	4.00	1
3C298.Ø	14 19 8.2		FOS/BL	ACQ/BINA		MIRROR	1007			424	1	ACQ	1
3C298.Ø	14 19 8.2		FOS/BL	ACCUM	1.0	G16ØL	1837			424	1		1
1418+546INCA221-97	14 19 46.6		FGS	POS	2	F583W				861	1		3
INCA221-97	14 20 18.4		FGS	POS	2	F583W				861	1		2
POINT1418+546INCA221 -97	14 21 7.6	5 54 20 12	s/c	POINTING	V1			1	Ø 2	861	1		1
ES0-1418-46Ø4		-46 17 56	WFC	IMAGE	ALL	F555W		1 3		775	1		1
ES0-1418-46Ø4		-46 17 56	WFC	IMAGE	ALL	F785LP		1 3	ØØ 2	775	1		1
MARK679	14 23 26.1	32 52 21	F0C/288	IMAGE	512X512	F21ØM		1 24	7Ø 2	624	1		1
PKS1422+2Ø	14 24 56.9	20 0 26	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11 2	424	2	ACQ	1
PKS1422+2Ø	14 24 56.9		FOS/BL	ACCUM	1.0	G16ØL	1837	1 8	<b>04</b> 2	424	2		1
B21425+26	14 27 35.7	26 32 14	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11 2	424	3	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No.	Exp.	ID		Spec. Req.	Total Lines
i ei geo	(2000)	000 (2000)	coming.	m000	vher care	E i ellieti c	mave.	LXP.		10	cy.	Neq.	Lines
B21425+26	14 27 35.7	26 32 14	FOS/RD	ACQ/BINA	A 2	MIRROR		1	11	2424	3	ACQ	1
B21425+26	14 27 35.7		FOS/BL	ACCUM	1.0	G16ØL	1837	i	900	2424	3	ACQ	i
B21425+26	14 27 35.7		FOS/RD	ACCUM	1.0	G27ØH	2753	i	642	2424	3		i
B21425+26	14 27 35.7		FOS/RD	ACCUM	1.0	G19ØH	198ø	ī	2466	2424	3		ī
G2ØØ-39	14 27 38.2		HRS	ACCUM	2.0	G14ØL	1288	î	900	2593	2		ī
PKS1424-11	14 27 38.2		FOS/BL	ACQ/BINA		MIRROR	1200	ī	11	2424	2	ACQ	ī
PKS1424-11	14 27 38.2		FOS/RD	ACQ/BINA		MIRROR		ī	11	2424	2	ACQ	ī
PKS1424-11	14 27 38.2		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	774	2424	2		ī
PKS1424-11	14 27 38.2		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	6Ø6	2424	2		ī
PKS1424-11	14 27 38.2		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	2Ø58	2424	2		ī
MARK1383	14 29 6.6		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	180	2296	1		ī
MARK1383	14 29 6.6	1 17 5	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	78Ø	2296	1		1
MARK1383	14 29 6.6	1 17 5	FOS/BL	ACCUM	Ø.5	G19ØH	1938	1	65Ø	2296	1		1
MARK1383	14 29 6.6	1 17 5	FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	22Ø	2296	1		1
MARK1383	14 29 6.6	1 17 5	FOS/BL	ACQ/BINA	4.3	MIRROR		1	6	2296	1	ACQ	1
NGC5643	14 32 37.4	-44 12 12	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
NGC5643	14 32 37.4	-44 12 12	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2711	1		1
NGC5674	14 33 52.4		WFC	IMAGE	ALL	F555W		1	300	2775	1		1
NGC5674	14 33 52.4		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
G166-37	14 34 51.1		FGS	POS	PRIME	F583W		1	50	2428	1		34
G166-37	14 34 51.1		FGS	POS	PRIME	F583W		1	5Ø	2428	2		34
G166-37	14 34 51.1		FGS	POS	PRIME	F583W		1	5Ø	2428	3		14
G166-37	14 34 51.1		FGS	TRANS	PRIME	F583W		1	10	2428	1		1
HD12862Ø		-60 50 7	HRS	ACCUM	Ø.25	MIRROR-A2		1	Ø	2461	1		2
HD12862Ø		-60 50 7	HRS	ACCUM	Ø.25	ECH-B	2805	2	136	2461	1		1
HD12862Ø	14 39 36.3		HRS	ACCUM	Ø.25	ECH-B	2345	2	4Ø8	2461	1		1
HD12862Ø		-60 50 7	HRS	ACCUM	Ø.25	ECH-B	2854	4	19ø	2461	1		1
HD12862Ø	14 39 36.3		HRS	ACCUM	Ø.25	ECH-B	2581	2	81	2461	1		1
HD12862Ø MRK477	14 39 36.3		HRS FOS/RD	ACCUM	Ø.25	ECH-B	2596	4 1	217 721	2461 2711	1		1 1
MRK477	14 40 38.1 14 40 38.1		FOS/RD	ACCUM ACC (BTNA	0.5	PRISM		1	11	2711	1		1
MKN477	14 40 38.1		PC	ACQ/BINA IMAGE	ALL	MIRROR		1	1000	2488	1		1
MKN477	14 40 38.1		PC	IMAGE	ALL	F517N F569W		1	1000	2488	1		1
NGC5728		-17 15 11	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	i		i
NGC5728		-17 15 11	FOS/RD	ACQ/BINA		MIRROR		i	11	2711	ī		1
MC1442+117	14 44 50.8		FOS/BL	ACQ/BINA	4.3	MIRROR		ī	11	2424	3	ACQ	ī
MC1442+117	14 44 50.8		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	1134	2424	3		î
3C3Ø5.Ø	14 49 21.9		PC	IMAGE	ALL	F517N	200.	ī	1000	2488	ĭ		ī
3C3Ø5.Ø	14 49 21.9		PC	IMAGE	ALL	F569W	•	ī	1200	2488	1		ī
GAL-CLUS-144842+2821			WFC	IMAGE	ALL	F814W		3	2300	2373	1		ī
-FLD1					•	, ,		-			-		<del>-</del>
GAL-CLUS-144642+2621	14 49 28.2	26 7 57	WFC	IMAGE	ALL	F555W		4	2300	2373	1		1
-FLD1	•				1								
MRK1388	14 50 37.8	22 44 4	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK1388	14 50 37.8		FOS/RD	ACQ/BINA		MIRROR		1	11	2711			1
L151-81A	14 58 5.6		FOS/RD	ACCUM	1.0	G27ØH	2700	1	1200	2593	2		• 1
L151-81B	14 58 5.6		FOS/RD	ACCUM	1.0	G27ØH	2700	1	900	2593	2		1
UGC-9631	14 58 22.9	-1 5 25	WFC [*]	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
UGC-9631	14 58 22.9		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
3C3Ø9.1	14 59 7.7	71 40 20	PC	IMAGE	ALL	F6Ø6W		2	6ØØ	2488	1		1
H15Ø4+65	15 2 9.7	66 12 19	HRS	ACCUM	2.0	G14ØL	153Ø	1	1710	2593	1		1
H15Ø4+65	15 2 9.7	66 12 19	HRS	ACCUM	2.0	G14ØL	1288	1	564	2593	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
SN1006P1	15 2 16.9	9 -41 45 13	WFC	IMAGE	ALL	F656N		2	26ØØ	2355	1		1
SN1ØØ6P1	15 2 16.9	9 -41 45 13	WFC	IMAGE	ALL	F658N		2	2600	2355	ī		ī
STAR-1503-4159		2 -41 59 16	FOS/BL	ACCUM	1.0	G19ØH		ī	8100	2434	ī		ī
STAR-1503-4159		2 -41 59 18	FOS/RD	ACCUM	1.0	G27ØH		ī	3600	2434	ī		ī
STAR-1503-4159		2 -41 59 16	FOS/RD	ACQ/BINA		MIRROR		ī	10	2434	ī	ACQ	ī
STAR-1503-4159		2 -41 59 18	FOS/BL	ACQ/BINA		MIRROR		ī	11	2434	ī	ACQ	ī
MARK841	15 4 1.		FOS/BL	ACCUM	Ø.5	PRISM	3675	ī	210	2296	ī	no <b>u</b>	i
MARK841	15 4 1.5		FOS/BL	ACCUM	Ø.5	G19ØH	1938	ī	700	2296	ī		ī
MARK841	15 4 1.		FOS/BL	ACCUM	Ø.5	G13ØH	1379	ī	1350	2296	ī		ī
MARK841	15 4 1.		FOS/BL	ACCUM	Ø.5	G27ØH	2766	ī	240	2296	·1		ī
MARK841	15 4 1.5		FOS/BL	ACQ/BINA		MIRROR	2.00	ī	- 6	2296	ī	ACQ	ī
NGC5845	15 6 Ø.		PC	IMAGE	ALL	F555W		ī	зø	2600	ī	,,,,,,	ī
NGC5845	15 6 Ø.		PC	IMAGE	ALL	F555W		ī	300	2600	ī		ī
NGC5845	15 6 Ø.		PC	IMAGE	ALL	F785LP		ī	25	2600	ī		ī
NGC5845	15 6 Ø.		PC	IMAGE	ALL	F785LP		ī	25Ø	2600	ī		ī
NGC5846	15 6 29.		F0C/98	IMAGE	512X512	F342W		ī	240	2295	ī		ī
NGC5846	15 6 29.5	2 1 36 20	F0C/96	IMAGE	512X512	F48ØLP		ī	46Ø	2295	ī		ī
NGC5846	15 6 29.5	2 1 36 20	F0C/96	IMAGE	512X512	F175W		1	2039	2295	ī		ī
PKS15Ø4-167	15 7 4.	7 -18 52 31	FOS/RD	ACCUM	1.0	G4ØØH	4000	ī	1620	2578	2		ī
PKS15Ø4-167	15 7 4.	7 -16 52 31	FOS/RD	ACCUM	1.0	G19ØH	1900	ĩ	486Ø	2578	2		ī
PKS15Ø4-167	15 7 4.3	7 -16 52 31	FOS/RD	ACCUM	1.0	G27ØH	2700	ĩ	198Ø	2578	2		ī
PKS15Ø4-167	15 7 4.	7 -16 52 31	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	2	ACQ	1
PKS151Ø-Ø8	15 12 50.	5 -9 6 Ø	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
PKS151Ø-Ø8	15 12 50.	5 -9 6 Ø	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
PKS151Ø-Ø8	15 12 50.	5 -9 6 Ø	FOS/BL	ACCUM	1.0	G16ØL	1837	1	9ØØ	2424	1	•	1
PKS151Ø-Ø8	15 12 50.	5 -9 6 Ø	FOS/RD	ACCUM	1.0	G27ØH	2753	1	4Ø2	2424	1		1
PKS151Ø-Ø8	15 12 50.		FOS/RD	ACCUM	1.0	G19ØH	198ø	1	3144	2424	1		1
B21512+37	15 14 43.6		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
B21512+37	15 14 43.6		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
B21512+37	15 14 43.6		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1410	2424	2		1
B21512+37	15 14 43.6		FOS/RD	ACCUM	1.0	G27ØH	2753	1	48Ø	2424	2		1
B21512+37	15 14 43.6		FOS/BL	ACCUM	1.0	G13ØH	1379	1	7374	2424	2		1
PLUTO-REF-POSITION1	15 17 40.4			IMAGE	W1	F785LP		1	Ø	2215	1		1
PLUTO-REF-POSITION2	15 17 40.			IMAGE	W1	F785LP		1	Ø	2215	1		1
PLUTO-REF-POSITION4	15 17 40.0			IMAGE	W1	F785LP		1	Ø	2215	1		1
PLUTO-REF-POSITIONS	15 17 40.			IMAGE	W1	F785LP		1	Ø	2215	1		1
PLUTO-REF-POSITIONS	15 17 41.4			IMAGE	W1	F785LP		1	Ø	2215	1		1
PLUTO-REF-POSITION6	15 17 41.3			IMAGE	W1	F785LP		1	Ø	2215	1		1
PG1522+1Ø1	15 24 24.6		FOS/BL	ACQ/BINA		MIRROR	4007	1	11	2424	3	ACQ	1
PG1522+1Ø1 1522+113	15 24 24.6		FOS/BL PC	ACCUM	1.Ø ALL	G16ØL	1837	1	461	2424	3		1
1522+113	15 25 2.5			IMAGE		F664N		3	600	2687	1		1
NGC5929 ·	15 25 2.5		PC Enc /PD	IMAGE	ALL	F718M		3	120	2687	1		1
NGC5929	15 26 6.5 15 26 6.5		FOS/RD FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
NGC5927-COMPARISON-F			PC	ACQ/BINA IMAGE	ALL	MIRROR F791W		1	11	2711	1		1
IELD								1	28Ø	2419	1		2
NGC5927-COMPARISON-F			PC	IMAGE	ALL	F555W		2	140	2419	1		1
NGC5927		L -5Ø 39 55	PC	IMAGE	ALL	F791W		1	28Ø	2419	1		1
NGC5927		1 -50 39 55	PC	IMAGE	ALL	F791W		2	280	2419	1		1
NGC5927		L -5Ø 39 55	PC	IMAGE	ALL	F555W		3	140	2419	1		1
EX1526+285	15 28 40.	7 28 25 29	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp. Exp. Time	ID		Spec. Req.	Total Lines
EX1526+285	15 28 40.7	28 25 29	FOS/RD	ACQ/BINA	4.3	MIRROR		1 11	2424	1	ACQ	1
EX1526+285	15 28 40.7	28 25 29	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 1590	2424	1	•	1
EX1526+285	15 28 40.7	28 25 29	FOS/RD	ACCUM	1.0	G27ØH	2753	1 528	2424	1		ī
EX1526+285	15 28 40.7	28 25 29	FOS/BL	ACCUM	1.Ø	G13ØH	1379	1 10566	2424			ĭ
3C321.Ø	15 31 43.5	24 4 19	PC	IMAGE	ALL	F547M		1 1200	2488			ī
3C321.Ø	15 31 43.5	24 4 19	PC	IMAGE	ALL	F648M		1 1200	2488			ī
PG1538+477	15 39 34.5	47 35 36	FOS/BL	ACQ/BINA		MIRROR		1 11	2424		ACQ	i
PG1538+477	15 39 34.5	47 35 36	FOS/BL	ACCUM	1.0	G16ØL	1837	1 480	2424		nod	i
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P5 .	F555W	1001	1 2	2579			i
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P6	F555W		1 2	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P5	F336W		1 15	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P6	F336W		1 14	2579	_		1
WD1542+182		18 6 46	PC	IMAGE	P7	F336W		1 13	2579			_
WD1542+182	15 44 19.3 15 44 19.3		PC	IMAGE	P7	F439W		1 13	2579			1 1
		18 6 46								_		-
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P8	F336W		_	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P8	F439W		1 3	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P8	F555W		1 1	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P5	F785LP		1 13	2579	_		1
WD1542+182	15 44 19.3		PC	IMAGE	P8	F785LP		1 13	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P5	F439W		1 6	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P6	F439W		1 6	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P7	F555W		1 1	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P6	F785LP		1 12	2579			1
WD1542+182	15 44 19.3	18 6 46	PC	IMAGE	P7	F785LP		1 14	2579			1
B21542+37	15 44 45.1	37 13 8	FOS/BL	ACQ/BINA		MIRROR		1 11	2424		ACQ	1
B21542+37	15 44 45.1	37 13 8	FOS/BL	ACCUM	1.0	G16ØL	1837	1 917	2424			1
PG1543+489	15 45 30.1	48 46 13	FOS/BL	ACQ/BINA		MIRROR		1 11	2424		ACQ	1
PG1543+489	15 45 30.1	48 46 13	FOS/RD	ACQ/BINA		MIRROR		1 11	2424		ACQ	1
PG1543+489	15 45 30.1	48 46 13	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 153Ø	2424			1
PG1543+489	15 45 30.1	48 46 13	FOS/RD	ACCUM	1.0	G27ØH	2753	1 276	2424			1
PG1543+489	15 45 30.1		FOS/BL	ACCUM	1.0	G13ØH	1379	1 11772	2424			1
L481-6Ø	15 47 29.Ø		HRS	ACCUM	2.0	G14ØL	1288	1 600	2593			1
3C323-1	15 47 43.5		FOS/RD	ACCUM	1.0	G4ØØH	4000	1 300	2578			1
3C323-1	15 47 43.5	20 52 16	FOS/RD	ACCUM	1.0	G19ØH	1900	1 600	2578	_		1
3C323-1	15 47 43.5		FOS/BL	ACCUM	1.0	G13ØH	1300	1 3540	2578	_		1
3C323-1	15 47 43.5		FOS/RD	ACCUM	1.0	G27ØH	2700	1 360	2578			1
3C323-1	15 47 43.5	20 52 16	FOS/BL	ACQ/BINA	4.3	MIRROR		1 11	2578		ACQ	1
3C323-1	15 47 43.5	20 52 16	FOS/RD	ACQ/BINA	4.3	MIRROR		1 11	2578	1	ACQ	1
3C325.Ø	15 49 58.4	<b>62 41 22</b>	PC	IMAGE	ALL	F6Ø6W		1 1800	2488	1		1
MC1548+114	15 50 43.6	11 20 48	FOS/RD	ACCUM	1.0	G4ØØH	4000	1 420	2578	1		1
MC1548+114	15 50 43.6	11 20 48	FOS/RD	ACCUM	1.0	G19ØH	1900	1 1500	2578	1		1
MC1548+114	15 50 43.6	11 20 48	FOS/RD	ACCUM	1.0	G27ØH	2700	1 540	2578	1		1
MC1548+114	15 50 43.6	11 20 48	FOS/RD	ACQ/BINA	4.3	MIRROR		1 11	2578	1	ACQ	1
HD141637	15 50 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-A	1548	1 76	2251	1		1
HD141637	15 5Ø 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1122	1 96	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1159	1 72	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1303	1 91	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-B	237Ø	1 57	2251	1		1
HD141637	15 50 58.7		HRS	WSCAN	Ø.25	ECH-B	1744	1 163	2251	1		1
HD141637	15 5Ø 58.7		HRS	WSCAN	Ø.25	ECH-B	18Ø7	1 110	2251			1
HD141637	15 5Ø 58.7		HRS	ACCUM	Ø.25	ECH-A	1547	1 76	2251			1
HD141637	15 50 58.7	_	HRS	ACCUM	Ø.25	ECH-A	1548	1 76	2251			1
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HD141637	15 5Ø 58.7	7 -25 45 5	HRS	ACCUM	Ø.25	ECH-B	2324	1	35	2251	1		2
HD141637	15 50 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-B	2323	1	35	2251	1		3
HD141637	15 50 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-B	2325	1	35	2251	1		2
HD141637	15 50 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-A	1251	1	3Ø	2251	1		2
HD141637	15 5Ø 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-A	1252	1	3Ø	2251	1		1
HD141637	15 5Ø 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-A	1334	1	36	2251	1		ī
HD141637	15 50 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-A	1333	1	36	2251	ī		2
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1192	1	81	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-B	2058	1	91	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-B	1827	1	129	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1279	1	72	2251	1		1
HD141637	15 50 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-B	2025	1	91	2251	1		1
HD141637	15 5Ø 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1240	1	115	2251	1		1
HD141637	15 50 58.7	7 -25 45 5	HRS	WSCAN	Ø.25	ECH-A	1357	1	182	2251	1		1
HD141637	15 50 58.7	7 -25 45 5	HRS	ACCUM	Ø.25	ECH-B	2324	1	35	2251	1		2
HD141637	15 50 58.7	7 -25 45 5	HRS	ACCUM	Ø.25	ECH-B	2323	1	35	2251	1		1
HD141637	15 5Ø 58.7	-25 45 5	HRS	ACCUM	Ø.25	ECH-B	2325	1	35	2251	1		2
HD141637	15 5Ø 58.7	-25 45 5	HRS	WSCAN	Ø.25	ECH-A	1391	1	211	2251	1		1
MR-SER	15 52 47.2	2 18 56 28	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	1741	266Ø	1		1
3C326.1	15 56 10.1	20 4 21	PC	IMAGE	ANY	F413M		2	1700	2698	1		1
3C326.1	15 56 10.1	20 4 21	F0C/96	IMAGE	512X512	F346M		2	28ØØ	2698	1		1
B21555+33	15 57 29.9	33 4 47	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	156Ø	2578	2		1
B21555+33	15 57 29.9		FOS/RD	ACCUM	1.0	G27ØH	2700	1	1800	2578	2		1
B21555+33	15 57 29.9		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2324	1	7	2251	2		2
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	1122	1	19	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	1159	1	14	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	18	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-B	1744	1	32	2251	2		1
HD143Ø18	15 58 51.1	_	HRS	WSCAN	Ø.25	ECH-B	18Ø7	1	22	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	11	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2323	1	7	2251	2		3
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2325	1	7	2251	2		2
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-A	1548	1	15	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-A	1547	1	15	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-A	1548	1	15	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-A	1334	1	7	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-A	1333	1	7	2251	2		2
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2324	1	7	2251	2		2
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2323	1	7	2251	2		1
HD143Ø18	15 58 51.1		HRS	ACCUM	Ø.25	ECH-B	2325	1	7	2251	2		2
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	1192	1	16	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-B	2058	1	18	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	1279	1	14	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-A	1240	1	23	2251	2		1
HD143Ø18	15 58 51.1		HRS HRS	WSCAN	Ø.25	ECH-A	1357	1	36	2251	2		1
HD143Ø18	15 58 51.1		HRS	WSCAN	Ø.25	ECH-B	2025	1	18	2251	2		1
HD143Ø18	15 58 51.1			ACCUM	Ø.25	ECH-A	1251	1	6	2251	2		2
HD143Ø18	15 58 51.1		HRS HRS	ACCUM	Ø.25	ECH-A	1252	1	8	2251	2		1
HD143Ø18 HD143Ø18	15 58 51.1 15 58 51.1		HRS	WSCAN	Ø.25	ECH-B	1827	1	25	2251	2		1
GC1556+33			FOS/RD	WSCAN	Ø.25	ECH-A	1391	1	42	2251	2		1
GC1000199	15 58 55.2	2 33 23 18	rus/KV	ACCUM	1.0	G4ØØH	4000	1	1080	2578	2		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	_	Spec. Req.	Total Lines
GC1556+33	15 58 55.2	2 33 23 18	FOS/RD	ACCUM	1.0	G27ØH	2700	1	132Ø	2578	2		1
GC1556+33	15 58 55.2		FOS/RD	ACQ/BINA		MIRROR	2.00	ī	11	2578	2	ACQ	ī
UGC1Ø116	15 59 1.3		PC	IMAGE	ALL	F439W		ī	2100	2067	1		ī
UGC1Ø118	15 59 1.3		WFC	IMAGE	ALL	F6Ø6W		1	1000	2067	ī		ī
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P5	F336W		1	21	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P5	F555W		1	1	2579	1		1
WD1559+369	16 1 24.6	36 48 25	РC	IMAGE	P6	F336W		1	19	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P7	F336W		1	18	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P7	F439W		1	4	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P8	F439W		1	2	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P8	F555W		1	1	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P6	F785LP		1	7	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P5	F785LP		1	7	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P8	F785LP		1	7	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P5	F439W		1	5	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P6	F439W		1	6	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P6	F555W		1	1	2579	1		1
WD1559+369	16 1 24.6	36 48 25	PC	IMAGE	P7	F555W		1	1	2579	1		1
WD1559+369	16 1 24.6		PC	IMAGE	P8	F336W		1	8	2579	1		1
WD1559+369	16 1 24.6		PC	IMAGE	P7	F785LP		1	. 8	2579	1		1
GAL-CLUS-16Ø134+4254 -FLD1	16 3 7.6	3 42 45 38	WFC	IMAGE	ALL	F622W		5	2300	2373	1		1
GAL-CLUS-16Ø134+4254 -FLD1	16 3 7.6	3 42 45 38	WFC	IMAGE	ALL	F725LP		5	2300	2373	1		1
DA4Ø6	16 13 41.3	1 34 12 48	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	660	2578	1		1
DA4Ø6	16 13 41.3	1 34 12 48	FOS/RD	ACCUM	1.0	G27ØH	2700	1	78Ø	2578	1		1
DA4Ø6	16 13 41.3	1 34 12 48	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
MARK876	16 13 57.3	3 65 43 8	FOS/BL	ACCUM	Ø.5	PRISM	3675	1	18Ø	2296	1	·	1
MARK876	16 13 57.3	3 65 43 8	FOS/BL	ACCUM	Ø.5	G13ØH	1379	1	3640	2298	1		1
MARK876	16 13 57.3	8 65 43 8	FOS/BL	ACCUM	Ø.5	G19ØH	1938	1	1840	2296	1		1
MARK876	16 13 57.3		FOS/BL	ACCUM	Ø.5	G27ØH	2766	1	48Ø	2296	1		1
MARK876	16 13 57.3	3 65 43 8	FOS/BL	ACQ/BINA		MIRROR		1	6	2296	1	ACQ	1
PKS1614+Ø51	16 16 37.9		PC	IMAGE	ALL	F517N		2	3200	2695	1		1
PKS1614+Ø51	16 16 37.9		PC	IMAGE	ALL	F718M_		2	3200	2695	1		1
PKS1614+Ø51	16 16 37.9		F0C/96	IMAGE	512X512	F48ØLP		3	3000	2695	1		1
3C334	16 20 21.8		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	36Ø	2578	1		1
3C334	16 20 21.8		FOS/RD	ACCUM	1.0	G19ØH	1900	1	78Ø	2578	1		1
3C334	16 20 21.8		FOS/RD	ACCUM	1.0	G27ØH	2700	1	420	2578	1		1
3C334	16 20 21.8		FOS/RD	ACQ/BINA		MIRROR		1	11	2578	1	ACQ	1
3C334.0	16 20 21.8		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C334.Ø	16 20 21.8		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C334.0	16 20 21.8		FOS/BL	ACCUM	1.0	G16ØL	1837	1	528	2424	3		1
3C334.Ø	16 20 21.8		FOS/RD	ACCUM	1.0	G27ØH	2753	1	588	2424	3		1
3C334.0	16 20 21.8		FOS/RD	ACCUM	1.0	G19ØH	1980	1	1698	2424	3		1
COD-38D1Ø98Ø		8 -39 13 48	HRS	ACCUM	2.0	G16ØM	1190	1	9Ø	2593	1		1
COD-38D1Ø98Ø		8 -39 13 48	HRS	ACCUM	2.0	ECH-A	1300	1	210	2593	1		1
COD-38D1Ø98Ø		3 -39 13 48	HRS	ACCUM	2.0	G14ØL	1693	1	282	2593	1		1
COD-38D1Ø98Ø		3 -39 13 48	HRS	ACCUM	2.0	G16ØM	1223	1	516	2593	1		1
COD-38D1Ø98Ø		3 -39 13 48	HRS	ACCUM	2.0	G16ØM	1252	1	330	2593	1		1
COD-38D1Ø98Ø		3 -39 13 48	HRS	ACCUM	2.0	G16ØM	1313	1	15ø	2593	1		1
COD-38D1Ø98Ø		8 -39 13 48	HRS	ACCUM	2.0	G14ØL	1433	1	77	2593	1		1
COD-38D1Ø98Ø	16 23 33.8	8 -39 13 48	HRS	ACCUM	2.0	G16ØM	1283	1	113	2593	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
3C336.Ø	16 24 39.3	23 45 12	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
3C336.Ø	16 24 39.3		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	78Ø	2424	ī		ī.
PKS1623+26	16 25 14.1		FOS/RD	ACCUM	1.0	G4ØØH	4000	ī	66Ø	2578	ī		i
PKS1623+26	16 25 14.1		FOS/RD	ACCUM	1.0	G19ØH	1900		1440	2578	ī		i
PKS1623+26	16 25 14.1		FOS/RD	ACCUM	1.0	G27ØH	2700	ī	720	2578	ī		i
PKS1623+26	16 25 14.1		FOS/RD	ACQ/BINA		MIRROR	2.50	ī	11	2578	ī	ACQ	i
Q1623+268B	16 25 48.3		PC	IMAGE	ALL	F555W		ī	200	235Ø	ī	neq	i
Q1623+268B	16 25 48.3		PČ	IMAGE	ALL	F555W		î	800	2350	ī		i
PG163Ø+377-R1	16 32 1.1		F0C/288	IMAGE	512X512	F21ØM			1200	2624	ī		i
PG163Ø+377-R2	16 32 1.1		F0C/288	IMAGE	512X512	F21ØM		_	1200	2624	i		i
PG1634+7Ø6	16 34 28.9		FOS/BL	ACCUM	1.0	G16ØL	1837	ī	900	2424	2		i
PG1634+7Ø6	16 34 28.9		FOS/BL	ACQ/BINA		MIRROR	200.	ī	7	2424	2	ACQ	i
PG1634+7Ø8	16 34 29.1	70 31 33	PC	IMAGE	ALL	F555W		ī	200	235Ø	ĩ	,,,cq	ī
PG1634+7Ø6	16 34 29.1	70 31 33	PC	IMAGE	ALL	F555W		1	800	2350	ī		ī
B21633+38	16 35 15.5		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	1080	2578	ī		ī
B21633+38	16 35 15.5	38 8 4	FOS/RD	ACQ/BINA		MIRROR		ī	11	2578	ī	ACQ	ī
3C343.1	16 38 28.1	62 34 45	PC '	IMAGE	ALL	F569W		1	1800	2488	1		ī
HD149499-B	16 38 30.0	-57 28 12	HRS	ACCUM	Ø.25	MIRROR-N1		1	Ø	2536	1		3
HD149499-B	16 38 30.0	-57 28 12	HRS	ACCUM	Ø.25	ECH-A	1198	4	600	2536	1		1
HD149499-B	16 38 3Ø.Ø	-57 28 12	HRS	ACCUM	Ø.25	ECH-A	1198	1	688	2536	1		1
HD149499-B	16 38 3Ø.Ø		HRS	ACCUM	Ø.25	G14ØM	1203	2	52Ø	2536	1		1
HD149499-B	16 38 30.0	-57 28 12	HRS	ACCUM	Ø.25	ECH-A	1213	10	600	2536	1		1
HD149499-B	16 38 3Ø.Ø	-57 28 12	HRS	ACCUM	Ø.25	ECH-A	1188	4	58Ø	2536	1		1
4U1636-53	16 40 55.1	–	FOS/BL	ACQ/BINA	4.3	MIRROR		1	14	2248	1	ACQ	1
4U1636-53	16 40 55.1		FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2248	1	ACQ	1
4U1636-53	16 40 55.1		FOS/BL	ACCUM	1.0	G13ØH	1379	1	8000	2248	1		1
4U1636-53	16 40 55.1		FOS/RD	ACCUM	1.0	G19ØH	1980	1	55ØØ	2248	1		1
4U1636-53	18 40 55.1		FOS/RD	ACCUM	1.0	G27ØH	2755		1300	2248	1		1
HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A36	1549	1	966	24Ø3	1		1
HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	1	966	24Ø3	1		1
HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A45	1240	1	889	24Ø3	1		1
HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A45	1258	1	812	24Ø3	1		1
HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A47	1197	1	518	2403	1		1
HD15Ø168 HD15Ø168	16 41 40.2		HRS	ACCUM	Ø.25	ECH-A4Ø	1391		1183	24Ø3	1		1
INCA221-166	16 41 40.2 16 42 51.6		HRS	ACCUM	Ø.25	ECH-A47	1204	1	818	2403	1		1
3C345	16 42 51.6		FGS FGS	POS Trans	2	F55ØW		1	51 500	2861	1		2
3C345	16 42 58.8	39 48 37	FGS		1	F583W		1	586 586	2443	1		1
3C345	16 42 58.8		FGS	TRANS TRANS	2	F65ØW F583W		1 1	586	2443	1		1
3C345	16 42 58.8		FOS/RD	ACCUM	1.0	G4ØØH	4000	i	18Ø	2443 2578	1		1 1
3C345	16 42 58.8	39 48 37	FOS/RD	ACCUM	1.0	G19ØH	1900	1	36Ø	2578	1		1
3C345	16 42 58.8	39 48 37	FOS/RD	ACCUM	1.0	G27ØH	2700	i	18Ø	2578	i		
3C345	16 42 58.8		FOS/RD	ACQ/BINA		MIRROR	2100	i	11	2578	1	ACQ	1 1
3C345.Ø	16 42 58.8	39 48 37	FOS/BL	ACQ/BINA		MIRROR		i	îî	2424	2	ACQ	i
3C345.Ø	16 42 58.8		FOS/RD	ACQ/BINA		MIRROR		î	11	2424	2	ACQ	1
3C345.Ø	16 42 58.8	39 48 37	FOS/BL	ACCUM	1.0	G16ØL	1837	i	564	2424	2	ved	1
3C345.Ø	16 42 58.8	39 48 37	FOS/RD	ACCUM	1.0	G27ØH	2753	i	306	2424	2		1
3C345.Ø	16 42 58.8		FOS/RD	ACCUM	1.0	G19ØH	1980		1224	2424	2		i
1641+399INCA221-166	16 42 58.8	39 48 37	FGS	POS	2	F583W	1000	î	51	2861	1		3
UGC-Ø527	16 43 4.6	61 34 44	WFC	IMAGE	ĀLL	F555W		ī	300	2775	î		1
UGC-Ø527	16 43 4.6		WFC	IMAGE	ALL	F785LP		i	300	2775	ī		î
1641.7+399	16 43 26.0		FOS/BL	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	i
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
1641.7+399	16 43 26.0	39 53 14	F0S/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
1641.7+399	16 43 26.0	39 53 14	FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	3		1
1641.7+399	16 43 26.0	39 53 14	FOS/RD	ACCUM	1.0	G27ØH	2753	ī	762	2424	3		1
1641.7+399	16 43 26.0	39 53 14	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1 :	2364	2424	3		1
POINT1641+399INCA221	16 43 52.0	39 41 8	S/C	POINTING	V1			1	Ø	2861	1		1
-166			. •										
GD-358	16 47 18.4	32 28 26	HRS	ACCUM	2.0	G14ØL	1288	1	900	2593	2		1
HD15Ø898	16 47 19.4	-58 20 29	HRS	ACCUM	Ø.25	ECH-A36	1549	1	69Ø	24Ø3	1		1
HD15Ø898	16 47 19.4	-58 20 29	HRS	ACCUM	Ø.25	ECH-A4Ø	1400	1	69Ø	24Ø3	1		1
HD15Ø898	16 47 19.4		HRS	ACCUM	Ø.25	ECH-A45	1240	1	635	24Ø3	1		1
HD15Ø898		-58 20 29	HRS	ACCUM	Ø.25	ECH-A45	1258	1	58Ø	24Ø3	1		1
HD15Ø898	16 47 19.4		HRS	ACCUM	Ø.25	ECH-A4Ø	1391	1	845	24Ø3	1		1
HD15Ø898	16 47 19.4		HRS	ACCUM	Ø.25	ECH-A47	1197	1	37Ø	24Ø3	1		1
HD15Ø898		-58 20 29	HRS	ACCUM	Ø.25	ECH-A47	1204	1	585	24Ø3	1		1
WD1645+325	16 47 54.8		FOS/BL	ACQ/BINA		MIRROR	1111	1	Ø	2282	1	ACQ	1
WD1645+325	16 47 54.8		FOS/BL	ACCUM	Ø.25-PAIR	G16ØL	1837		5238	2282	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P5	F439W		1	Ø	2579	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P6	F439W		1	Ø	2579	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P7	F439W		1	Ø	2579	1		1
WD1647+591	16 48 24.9 16 48 24.9		PC PC	IMAGE	P7 : P8	F555W		1	Ø	2579 2579	1		1 1
WD1647+591 WD1647+591	16 48 24.9 16 48 24.9		PC	IMAGE IMAGE	P8	F336W F439W		1 1	1 Ø	2579	1		i
WD1647+591	18 48 24.9		PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD1647+591	16 48 24.9		PC	IMAGE	P6	F336W		1	2	2579	1		i
WD1647+591	16 48 24.9		PC	IMAGE	P6	F785LP		i	1	2579	1		i
WD1647+591	16 48 24.9		PČ	IMAGE	P5	F785LP		ī	i	2579	ī		i
WD1647+591	16 48 24.9		PČ	IMAGE	P7	F785LP		ī	î	2579	ī		ī
WD1647+591	16 48 24.9		PC	IMAGE	P8	F785LP		ī	ī	2579	ī		ī
WD1647+591	16 48 24.9		PČ	IMAGE	P5	F336W		ī	2	2579	ī		ī
WD1647+591	16 48 24.9		PC	IMAGE	P7	F336W		ī	2	2579	1		ī
CPD-74D1569		-74 32 20	HRS	ACCUM	2.0	ECH-B	18Ø8	3	172	2348	1		1
CPD-74D1569	16 50 50.2	-74 32 20	HRS	ACCUM	2.0	ECH-A	1251	3	172	2348	1		1
CPD-74D1569	16 50 50.2	-74 32 20	HRS	ACCUM	2.0	ECH-A	13Ø3	3	172	2348	1		1
CPD-74D1569	16 50 50.2	-74 32 20	HRS	ACCUM	2.0	ECH-A	16Ø9	3	345	2348	1		1
CPD-74D1569	16 50 50.2	2 -74 32 20	HRS -	ACCUM	2.0	ECH-A	1672	3	518	2348	1		1
CPD-74D1569	16 50 50.2	-74 32 20	HRS	ACCUM	2.0	ECH-B	1858	3	259	2348			1
MARK5Ø1	16 53 52.2		PC	IMAGE	ALL	F555W		1	200	235Ø	_		1
MARK5Ø1	16 53 52.2		PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
1652+138	16 54 17.9		WFC	IMAGE	ALL	F555W		. 1	100	2350			1
1652+138	18 54 17.9		WFC	IMAGE	ALL	F555W		1	500	235Ø			1
1652+138	16 54 17.9		WFC	IMAGE	ALL	F555W		1 :	2000	235Ø			1
1652+138	16 54 17.9		WFC	IMAGE	ALL	F785LP		1	500	235Ø	_		1
1652+138	16 54 17.9		WFC	IMAGE	ALL	F785LP		-	2000	2350			1
PKS1656+Ø53	16 58 33.5		F0S/BL	ACQ/BINA		MIRROR		1	11	2424		ACQ	1
PKS1656+Ø53 ·	16 58 33.5		FOS/BL	ACCUM	1.0	G16ØL	1837	1	428	2424			1
H\$17ØØ+8416	17 1 Ø.6		FOS/RD	ACQ/BINA		MIRROR		1	9	2288		ACQ	1
HS1700+6416	17 1 Ø.6		FOS/BL	ACCUM	Ø.3	G13ØH	1300		4400	2288	-		1
HS1700+8416	17 1 Ø.6		FOS/RD	ACCUM	Ø.3	G19ØH	1900	. –	738Ø	2288	_		1
HS1700+6416	17 1 Ø.6		FOS/RD	ACCUM	Ø.3	G27ØH	2700		36ØØ	2288		4.00	1
HS17ØØ+6416	17 1 Ø.8	64 12 9	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2288	1	ACQ	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
3C351.0	17 4 41.3	60 44 30	FOS/RD	ACQ/BINA	4.3	MIRROR		1	4	2424	1	ACQ	1
3C351.Ø	17 4 41.3	60 44 30	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	474	2424	ī		ī
3C351.Ø	17 4 41.3	60 44 30	FOS/RD	ACCUM	1.0	G27ØH	2753	1	18Ø	2424	ī		ī
3C351.Ø	17 4 41.3	60 44 30	FOS/BL	ACCUM	1.0	G13ØH	1379	ī	5232	2424	ī		ī
3C351.Ø	17 4 41.3	60 44 30	FOS/BL	ACQ/BINA		MIRROR		1	. 8	2424	ī	ACQ	ī
3C351.Ø	17 4 41.5	6Ø 44 28	WFC [*]	IMAGE	ALL	F785LP		1	500	2425	ī		ī
3C351.Ø	17 4 41.5		WFC	IMAGE	ALL	F785LP		ī	2400	2425	ī		ī
HD154368	17 6 28.4		HRS	ACCUM	Ø.25	G14ØL	1220	ī	200	2415	ī		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1414	2	1000	2415	i		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-B	2326	5	1000	2415	ī		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1262	ĭ	125Ø	2415	ī		ī
HD154368		-35 27 4	HRS	ACCUM	Ø.25	ECH-B	2026	ī	868	2415	ī		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM:	Ø.25	ECH-B	2369	ī	1200	2415	ī		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1161	2	73Ø	2415	ī		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-B	2582	2	1050	2415	ī		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	G14ØM	1118	2	125Ø	2415	1		ī
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	17Ø6	3	1070	2415	1		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	137Ø	4	1120	2415	1		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-B	3Ø78	2	987	2415	1		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1335	3	1133	2415	1		1
HD154368	17 6 28.4	-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1358	4	1025	2415	1		1
HD154368		-35 27 4	HRS	ACCUM	Ø.25	ECH-A	124Ø	6	1083	2415	1		1
HD154368	17 6 28.4		HRS	ACCUM	Ø.25	ECH-A	1279	5	1000	2415	1		1
HD154368		-35 27 4	HRS	ACCUM	Ø.25	ECH-B	18Ø6	1	1200	2415	1		1
HD154368		-35 27 4	HRS	ACCUM	Ø.25	ECH-A	1288	2	125Ø	2415	1		1
HD154368		-35 27 4	HRS	ACCUM	Ø.25	ECH-A	13Ø4	3	868	2415	1		1
NGC8293-COMPARISON-F			PC	IMAGE	ALL	F555W		2	8Ø	2419	1		1
NGC6293-COMPARISON-F		-26 34 11	PC 	IMAGE	ALL	F791W		1	16Ø	2419	1		2
NGC6293		-26 35 24	PC	IMAGE	ALL	F555W		3	8Ø	2419	1		1
NGC6293	17 10 10.7		PC	IMAGE	ALL	F791W		1	16Ø	2419	1		1
NGC6293	17 10 10.7		PC	IMAGE	ALL	F791W		2	16Ø	2419	1		1
HERC2Ø2-LYA	17 14 14.7		PC	IMAGE	P8	F413M	4090	1	39ØØ	2405	1		1
HERC2Ø2	17 14 14.9		WFC	IMAGE	W1	F555W	5479	1	75ØØ	24Ø5	1		1
HERC2Ø2	17 14 14.9		WFC	IMAGE	W1	F785LP	8958	1 1	.0800	24Ø5	1		1
53WØØ5	17 14 36.8		WFC	IMAGE	W1	F785LP	8958	1	4200	2387	1		1
53WØØ5	17 14 36.8		WFC	IMAGE	W1	F555W	5479	1	6179	2387	1		1
53WØ39	17 17 1.9		WFC	IMAGE	W1	F555W	5479	1	2700	2387	1		1
53WØ39	17 17 1.9		WFC	IMAGE	W1	F785LP	8958	1	2100	2387	1		1
M92-CALIB	17 17 4.5		PC	IMAGE	ALL	F875M		1	16Ø	2265	2	CAL	1
53WØ44	17 17 36.9		WFC	IMAGE	W1	F555W	5479	1	2400	24Ø5	1		1
53WØ44	17 17 36.9		WFC	IMAGE	W1	F785LP	8958	1	1500	2405	1		1
53WØ46	17 17 53.4		WFC	IMAGE	W1	F555W	5479	1	2400	2405	1		1
53WØ46	17 17 53.4		WFC	IMAGE	W1	F785LP	8958	1	1500	2405	1		1
53WØ62 53WØ62	17 19 32.1		WEC	IMAGE	W1	F555W	5479	1	3000	2387	1		1
	17 19 32.1		WFC	IMAGE	W1	F785LP	8958	1	2700	2387	1	4.65	1
PG1718+481 PG1718+481	17 19 38.3		FOS/BL	ACQ/BINA		MIRROR	4007	1	11	2424	2	ACQ	1
53WØ71	17 19 38.3 17 20 11.4		FOS/BL WFC	ACCUM	1.0	G16ØL	1837	1	300	2424	2		1
53WØ71	17 20 11.4		WFC	IMAGE	W1 W1	F555W	5479	1	3900	2387	1		1
53WØ77	17 20 11.4		WFC	IMAGE IMAGE	W1 W1	F785LP F555W	8958 5470	1	3900	2387	1		1
- J 11011	11 21 1.4	43 40 34	AF C	TWAGE	11.7	<b>Γ000</b> ₩	5479	1	4200	24Ø5	1		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Req	
E018/477	17 21 1.4	40 49 24	urc	T) (4.0F	wa	EZOEL D	9059	•	2000	0465	•	•
53W077			WFC	IMAGE	W1	F785LP	8958 5470	1	3000	2405	1	1
53WØ85	17 21 52.6		WFC	IMAGE	W1	F555W	5479	1	3900	2387	1	1
53WØ85	17 21 52.6		WFC	IMAGE	W1	F785LP	8958	1	3900	2387	1	1
NGC8358-COMPARISON-F	17 22 56.8	-17 44 40	PC	IMAGE	ALL	F791W		1	700	2419	1	2
NGC6356-COMPARISON-F	17 22 56.8	-17 44 40	PC	IMAGE	ALL	F555W		2	35Ø	2419	1	1
NGC6356	17 23 38.8	-17 49 19	PC	IMAGE	ALL	F791W		1	700	2419	1	1
NGC6356		-17 49 19	PC	IMAGE	ALL	F791W		2	700	2419	ī	ī
NGC8358		-17 49 19	PC	IMAGE	ALL	F555W		3	35Ø	2419	i	i
NGC8352-COMPARISON-F								1	40	2419	i	_
IELD	17 24 26.2	-48 21 63	PC	IMAGE	ALL	F555W		1	410	2419	1	1
NGC8352-COMPARISON-FIELD	17 24 26.2	-48 21 53	PC	IMAGE	ALL	F791W		1	7Ø	2419	1	2
NGC6352	17 25 28.3	-48 25 38	PC	IMAGE	ALL	F791W		1	7Ø	2419	1	1
NGC6352	17 25 28.3	-48 25 38	PC	IMAGE	ALL	F791W		2	7Ø	2419	1	1
NGC6352		-48 25 38	PC	IMAGE	ALL	F555W		3	4Ø	2419	1 i	ĩ
4U1728-16		-16 57 41	FOS/BL	ACQ/BINA		MIRROR		ĭ	11	2248	1 ACQ	ī
4U1728-16						MIRROR		i	11	2248	1 ACQ	î
		-16 57 41	FOS/RD	ACQ/BINA			1270					
4U1728-16		-16 57 41	FOS/BL	ACCUM	1.0	G13ØH	1379	1	2000	2248	1	1
4U1728-16		-16 57 41	FOS/RD	ACCUM	1.0	G19ØH	1980	1	1200	2248	1	1
4U1728-18		-16 57 41	FOS/RD	ACCUM	1.0	G27ØH	2755	1	26Ø	2248	1	1
UGC-Ø891	17 32 24.3	7 3 37	WFC	IMAGE	ALL	F555W		1	300	2775	1	1
UGC-Ø891	17 32 24.3	7 3 37	WFC	IMAGE	ALL	F785LP		1	300	2775	1	1
4U1735-44	17 38 58.3	-44 27 2	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2248	1 ACQ	1
4U1735-44	17 38 58.3	-44 27 2	FOS /RD	ACQ/BINA	4.3	MIRROR	•	1	- 11	2248	1 ACQ	1
4U1735-44	17 38 58.3		FOS/RD	ACCUM	1.0	G27ØH	2755	1	500	2248	1 `	1
4U1735-44		-44 27 2	FOS/BL	ACCUM	1.0	G13ØH	1379	ī	4300	2248	ī	ī
4U1735-44		-44 27 2	FOS/RD	ACCUM	1.0	G19ØH	198Ø	ī	2800	2248	ī	
NGC6397-6Ø3		-53 45 26	HRS	ACCUM	2.0	G27ØM	2800	3	702	2009	i	ī
								3				
NGC6397-211		-53 37 38	HRS	ACCUM	2.0	G27ØM	2800		636	2009	1 100	1
HD161056	17 43 47.0		FOS/BL	ACQ/PEAK		G57ØH		1	Ø	2245	1 ACQ	2
HD181056	17 43 47.0		FOS/BL	ACCUM	1.0	G19ØH		1	1953	2245	1	1
HD161Ø56	17 43 47.0	7 4 46	FOS/BL	ACCUM	1.0	G27ØH		1	5Ø8	2245	1	1
HD161056	17 43 47.0	7 4 46	FOS/BL	ACCUM	1.0	G13ØH	1454	1	3936	2245	1	1
GALACTIC-CENTER	17 45 39.6	-29 Ø 34	PC	IMAGE	P6	F875M		1	126Ø	2459	1	1
GALACTIC-CENTER	17 45 39.6	-29 Ø 34	PC .	IMAGE	P6	F1Ø42M	*	1	126Ø	2459	1	1
GALACTIC-CENTER	17 45 39.6	-29 Ø 33	PC	IMAGE	P8	F814W		2	160	2534	1	1
GALACTIC-CENTER	17 45 39.6	-29 Ø 33	PC	IMAGE	P6	F1Ø42M		4	440	2534	1	1
UGC-1012	17 49 27.7		WFC	IMAGE	ALL	F555W		1	300	2775	ī	ī
UGC-1012	17 49 27.7		WFC	IMAGE	ALL	F785LP		ī	300	2775	ī	ī
MC3175Ø+175	17 52 46.1		FOS/BL	- , .		MIRROR		î	11	2424	3 ACQ	i
				ACQ/BINA				_				_
MC3175Ø+175	17 52 48.1		FOS/RD	ACQ/BINA		MIRROR	1070	1	11	2424	3 ACQ	1
MC3175Ø+175	17 52 46.1		FOS/BL	ACCUM	1.0	G13ØH	1379	1	9150	2424	3	1
MC3175Ø+175	17 52 46.1		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	912	2424	3	1
MC3175Ø+175	17 52 46.1	17 34 21	FOS/RD	ACCUM	1.0	G27ØH	2753	1	324	2424	3	1
POINT1758-651INCA221 -116	18 1 21.4	-65 7 22	s/c	POINTING	<b>V</b> 1			1	Ø	2862	1	1
INCA221-116	18 2 Ø.9	-64 55 20	FGS	POS	2	F55ØW		1	51	2862	1	. 2
1758-651INCA221-116	18 3 23.5		FGS	POS	2	F55ØW		1	51	2862	ī	1
1758-651INCA221-116	18 3 23.5		FGS	POS	2	F583W		1	51	2862	ĩ	2
KAZ1Ø2	18 3 28.9		FOS/BL	ACQ/BINA		MIRROR		ī	11	2424	3 ACQ	
*******	3 20.3	01 90 10	1 UU/ BL	Ved\ DTIAV	7.0	MTILLON		-		-727	o new	•

Target	RA (2000)	Dec (2000)	Inst. (Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Tota	
_			_		•			•			•	•		
KAZ1Ø2	18 3 28.9	67 38 10	F0S/BL	ACCUM	1.0	G13ØH	1379	1	2982	2424	3			1
3C368	18 5 6.4		PC	IMAGE	P7	F368M	13/5		1700	2698	1			1
3C368	18 5 6.4		F0C/96	IMAGE	512X512	F253M			2800	2698	1			
NGC6541-COMPARISON-F			PC	IMAGE	ALL	F555W				2419	1			1
IELD	10 0 21.0	-40 41 23		IMVAL	ALL	L999#		1	40	2419				1
NGC6541-COMPARISON-F	18 6 21.8	-43 41 29	PC	IMAGE	ALL	F791W		1	7Ø	2419	1			2
IELD								-	••		-			-
NGC6541		-43 41 53	PC	IMAGE	ALL	F791W		1	7Ø	2419	1			1
NGC6541	18 8 9.2	-43 41 53	PC	IMAGE	ÀLL	F791W		2	7Ø	2419	1			1
NGC6541	18 8 9.2	-43 41 53	PC	IMAGE	ALL	F555W		3	4Ø	2419	1			1
4C4Ø.36	18 10 55.7	40 45 23	PC	IMAGE	ALL	F6Ø6W		3	1000	2438	1			1
4C4Ø.38	18 10 55.7	40 45 23	PC	IMAGE	ALL	F413M		3	1Ø19	2438	1			1
AM-HER	18 16 13.3	49 52 4	HSP/VIS	PRISM	1.0	F551W/F24ØW		1	1741	2660	1			1
K1-16	18 21 52.0	64 21 54	FOS/BL	ACCUM	1.0	G13ØH	138Ø	1	234	2593	1			1
K1-16	18 21 52.0	64 21 54	FOS/BL	ACCUM	1.0	G27ØH	2700	1	138	2593	1			Ī
K1-16	18 21 52.0	64 21 54	FOS/BL	ACQ/BINA		MIRROR		ī	2	2593	ī	ACQ		ī
K1-16	18 21 52.0	64 21 54	FOS/BL	ACCUM	1.0	G19ØH	1944	ī	138	2593	ī			ī
INCA221-120-AST2	18 23 37.2		FGS	POS	2	F55ØW		ī	1	2859	ī	CON	PAR	ī
INCA221-12Ø	18 23 59.4		PC	IMAGE	P8	F658N		ī	ī	2859	ī	CON		ī
1821+107INCA221-120	18 24 2.9	10 44 24	PC	IMAGE	P8	F6Ø6W		ī	3ø	2859	ī	CON		ī
1821+107INCA221-120	18 24 2.9		PC	IMAGE	P8	F725LP		ī	6Ø	2859	î	CON		ī
INCA221-120-AST1	18 24 19.4		FGS	POS	2	F55ØW		ī	30	2859	ī	CON	PAR	ī
INCA221-12Ø-AST1	18 24 19.4		FGS	POS	2	F55ØW		ī	6Ø	2859	i	CON		i
V691CRA	18 25 46.7		F0S/BL	RAPID	ī.ø	G16ØL	1850	8	240	2513	ī	COIL	, ,,,,	8
V691CRA	18 25 46.7		FOS/BL	ACQ/BINA		MIRROR	1000	ĭ	5	2513	ī	ACQ		ĭ
4U1822-37	18 25 46.8		FOS/BL	ACQ/BINA		MIRROR		î	11	2248	î	ACQ		î
4U1822-37	18 25 46.8		FOS/RD	ACQ/BINA		MIRROR		î	11	2248	î	ACQ		ī
4U1822-37	18 25 46.8		FOS/RD	ACCUM	1.0	G27ØH	2755	i	90	2248	i	NO.		ī
4U1822-37	18 25 46.8		F0S/BL	ACCUM	1.0	G13ØH	1379	î	52Ø	2248	i			î
4U1822-37			FOS/RD	ACCUM	1.0	G19ØH	1980	î	34Ø	2248	i			ī
3C38Ø.Ø	18 29 31.8		PC	IMAGE	ALL	F631N	1000		1800	2488	î			ī
3C38Ø.Ø	18 29 31.8		PC	IMAGE	ALL	F656N			1700	2488	ī			î
NGC6637-COMPARISON-F			PC	IMAGE	ALL	F555W		2	8Ø	2419	ī			ī
IELD	1.			2.117.02		1 00011		-	QD.	2710	•			•
NGC6637-COMPARISON-F	18 30 33.4	-32 28 15	PC	IMAGE	ALL	F791W		1	179	2419	1			2
IELD								_			_			
NGC6637	18 31 19.5	-32 21 18	PC	IMAGE	ALL	F555W		3	8Ø	2419	1			1
NGC6637	18 31 19.5	-32 21 18	PC	IMAGE	ALL	F791W		1	179	2419	1			1
NGC6637	18 31 19.5	-32 21 18	PC	IMAGE	ALL	F791W		2	179	2419	1			1
HD172167	18 36 56.3	38 47 1	HRS	ACCUM	Ø.25	MIRROR-A1		1	Ø	2461	1			1
HD172167	18 36 56.3	38 47 1	HRS	ACCUM	Ø.25	ECH-B	2345	2	14	2461	1			1
HD172187	18 36 56.3	38 47 1	HRS	ACCUM	Ø.25	ECH-B	2581	2	14	2461	1			1
HD172187	18 36 56.3	38 47 1	HRS	ACCUM	Ø.25	ECH-B	2596	4	14	2461	ī			1
V348-SGR	18 40 19.9	-22 54 29	HRS	ACCUM	2.0	G27ØM	283Ø	2	93Ø	245Ø	1			ī
V348-SGR		-22 54 29	HRS	ACCUM	2.0	G27ØM	2945	2	96Ø	2450	ī			ī
V348-SGR	18 40 19.9		HRS	ACCUM	2.0	G14ØL	1344	_	1470	2450	ī			ī
V348-SGR	18 40 19.9		HRS	ACCUM	2.0	G14ØL	1622	2	735	2450	î			ī
V6Ø3-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G16ØM	1235	1	6ØØ	2345	i			î
V6Ø3-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G160M	1235	i	900	2345	i			ī
V603-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G16ØM	1391	1	6ØØ	2345	1			i
V603-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G16ØM	1391	1	900	2345	1			1
V6Ø3-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G16ØM	1541	1	6ØØ	2345	1			i
.ass var	10 40 04.0	2 30 3		ハくくしか	w.20	GIODW	1941	T	ששס	Z345	Ţ			+

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	S Cy.	pec. Req.	Total Lines
V6Ø3-AQL	18 48 54.6	Ø 35 3	HRS	ACCUM	Ø.25	G16ØM	1541	1	900	2345	1		1
WD1855+338	18 57 35.2	33 57 12	PC	IMAGE	P5	F336W	_,,,	ī	25	2579	ī		ī
WD1855+338	18 57 35.2	33 57 12	PC	IMAGE	P6	F439W		ī	7	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P7	F336W		ī	22	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P8	F439W		ī	3	2579	ī		i
WD1855+338	18 57 35.2		PC	IMAGE	P8	F555W		ī	ĭ	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P5	F785LP		ī	1ø	2579	ī		i
WD1855+338	18 57 35.2		PC	IMAGE	P6	F785LP		ī	9	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P7	F785LP		ī	11	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P5	F439W		1	7	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P5	F555W		ī	i	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P6	F336W		ī	23	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P6	F555W		ī	1	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P7	F439W		ī	5	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P7	F555W		ī	ĭ	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P8	F336W		1	9	2579	ī		ī
WD1855+338	18 57 35.2		PC	IMAGE	P8	F785LP		1	10	2579	ī		ī
3C395	19 2 56.0		FGS	TRANS	1	F583W		ī	586	2443	ī	•	ī
3C395	19 2 58.0		FGS	TRANS	1	F65ØW		ī	586	2443	ī		ī
3C395	19 2 56.0	31 59 42	FGS	TRANS	2	F583W		ĩ	586	2443	ī		ī
HD177588	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-B	18Ø8	1	259	2348	1		ī
HD177566	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-A	1251	1	216	2348	1		1
HD177566	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-A	1303	1	216	2348	ī		ī
HD177568	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-A	16Ø9	1	475	2348	1		1
HD177566	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-A	1672	1	691	2348	1		1
HD177566	19 7 7.7	-41 43 10	HRS	ACCUM	2.0	ECH-B	1858	1	3Ø2	2348	1		1
A59	19 10 32.3	-59 57 6	HRS	ACCUM	2.0	G27ØM	2798	3	900	2693	1		1
A88	19 10 42.5	-59 59 53	HRS	ACCUM	2.0	G27ØM	2798	3	900	2693	1		1
NGC6752	19 10 47.5	-6Ø. Ø 48	PC	IMAGE	ALL	F555W		2	2000	2579	1		1
NGC8752	19 10 47.5	-60 Ø 48	PC	IMAGE	ALL	F439W		7	24ØØ	2579	1		1
NGC6752	19 10 47.5	-60 Ø 48	PC	IMAGE	ALL	F336W		13	2400	2579	1		1
NGC8752	19 10 47.5	-60 Ø 48	PC	IMAGE	ALL	F785LP		8	2400	2579	1		1
NGC8752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F656N		1	400	2555	1		1
NGC6752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F656N		1 .	4ØØØ	2555	1		1
NGC8752	19 10 51.8	-59 58 55	PC	IMAGE	ALL	F675W		1	8	2555	1		1
NGC6752		-59 58 55	PC	IMAGE	ALL	F675W		1	600	2555	1		1
NGC6752		-59 58 55	F0C/96	IMAGE	512X512	F13ØM		1	600	2472	1		1
NGC8752		-59 58 55	F0C/96	IMAGE	512X512	F21ØM		1	300	2472	1		1
NGC6752		-59 58 55	F0C/96	IMAGE	512X512	F346M		1	300	2472	1		1
NGC8752		-59 58 55	F0C/96	IMAGE	512X512	F13ØM		3	300	2472	1		5
A31		-59 59 54	HRS	ACCUM	2.0	G27ØM	2798	3	78Ø	2693	1		1
PKS1912-549		-54 54 47	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PKS1912-549		-54 54 47	FOS/RD	ACQ/BINA		MIRROR		1	11	2424	1 .	ACQ	1
PKS1912-549		-54 54 47	FOS/BL	ACCUM	1.0	G16ØL	1837	1	900	2424	1		1
PKS1912-549		-54 54 47	FOS/RD	ACCUM	1.0	G19ØH	198ø		28Ø8	2424	1		1
PKS1912-549		-54 54 47	FOS/RD	ACCUM	1.0	G27ØH	2753	1	821	2424	1		1
V6Ø5AQL-KNOT	19 18 20.5		F0C/96	IMAGE	512X512	F165W		1	300	257Ø	1		1
V6Ø5AQL-KNOT	19 18 20.5		F0C/96	IMAGE	512X512	F22ØW		1	300	257Ø	1		1
V8Ø5AQL-KNOT	19 18 20.5	-	F0C/96	IMAGE	512X512	F437M		1	300	257Ø	1		1
V6Ø5AQL-KNOT	19 18 20.5		F0C/96	IMAGE	512X512	F5Ø1N		1	300	257Ø	1		1
V6Ø5AQL-STAR	19 18 20.5		FOS/RD	ACQ/BINA		MIRROR		1	9ø	257Ø	1 .	ACQ	1
V6Ø5AQL-STAR	19 18 20.5	1 46 59	FOS/RD	ACCUM	Ø.3	PRISM	5400	1	25ØØ	257Ø	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral C Element	Centrai Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
V8Ø5AQL-STAR	19 18 20.5	1 46 59	FOS/BL	ACQ/BINA	4.3	MIRROR		1	120	257ø	1	ACQ	1
V6Ø5AQL-STAR	19 18 20.5	1 46 59	FOS/BL	ACCUM	Ø.3	G16ØL	1675	1	2500	257Ø	1		1
V6Ø5AQL-STAR	19 18 20.5	1 46 59	FOS/RD	ACCUM	Ø.3	G65ØL	5625	1	2500	257Ø	1		1
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P7 .	F336W		1	2	2579	1		1
WD1917-077	19 20 34.9	<b>-7 39 59</b>	PC	IMAGE	P7	F555W		1	Ø	2579	1		1
WD1917-077 WD1917-077	19 20 34.9 19 20 34.9	-7 39 59 7 30 50	PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WD1917-077	19 20 34.9	-7 39 59 7 30 50	PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD1917-077	19 20 34.9	-7 39 59 -7 39 59	PC PC	IMAGE IMAGE	P5 P5	F336W		1 1	2 1	2579 2579	1		1
WD1917-077	19 20 34.9	-7 39 59 -7 39 59	PC	IMAGE	P6	F785LP F785LP		1	i	2579	1		1
WD1917-Ø77	19 20 34.9	-7 39 59 -7 39 59	PC	IMAGE	P8	F785LP		1	i	2579	1		1 1
WD1917-Ø77	19 20 34.9	-7 39 59 -7 39 59	PC	IMAGE	P7	F785LP		1	i	2579	1		1
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P5	F439W		i	ø	2579	ī		i
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P6	F336W		i	2	2579	î		i
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P6	F439W		ī	ø	2579	ī		i
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P7	F439W		ī	ø	2579	ī		ī
WD1917-Ø77	19 20 34.9	-7 39 59	PC	IMAGE	P8	F336W		1	Ø	2579	1		ī
0V-236	19 24 51.0		FOS/RD	ACCUM	1.0	G4ØØH	4000	1	600	2578	2		1
0V-236	19 24 51.0	-29 14 30	FOS/RD	ACCUM	1.0	G27ØH	27ØØ	1	900	2578	2		1
0V-236	19 24 51.0	-29 14 30	FOS/BL	ACCUM	1.0	G13ØH	1300	1 1	1700	2578	2		1
0V-238	19 24 51.0		FOS/BL	ACCUM	1.0	G19ØH	1900	1	456Ø	2578	2		1
0V-236	19 24 51.0		FOS/BL	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	1
0V-236		-29 14 30	FOS/RD	ACQ/BINA		MIRROR		1	11	2578	2	ACQ	1
1921-293INCA221-126	19 24 51.1		FGS	POS	2	F583W		1	51	2862	1		3
INCA221-126		-29 18 30	FGS	POS	2	F5ND		1	51	2862	1		2
POINT1921-293INCA221 -126	19 25 51.9	-29 14 24	S/C	POINTING	V1			1	Ø	2862	1		1
HD182975	10 07 00 0	0 1 14	E0C (000	THACE	E10V1004	E17EW E1ND DDTCNO		_	010	0000			
4C73.18	19 27 22.8 19 27 48.6	-2 1 14 73 58 2	F0C/288 F0S/BL	IMAGE ACQ/BINA	512X1Ø24	F175W F1ND PRISM2 MIRROR		2 1	216 11	268Ø 2424	1 2	ACQ	4
4C73.18	19 27 48.6	73 58 2	FOS/RD	ACQ/BINA		MIRROR		i	11	2424	2	ACQ	1 1
4C73.18	19 27 48.6	73 58 2	FOS/BL	ACCUM	1.0	G13ØH	1379	_	669Ø	2424	2	ACW	i
4C73.18	19 27 48.6	73 58 2	FOS/RD	ACCUM	1.0	G19ØH	198ø	î	432	2424	2		i
HD183344	19 29 21.4	-7 2 38	F0C/288	IMAGE	512X1Ø24	F175W F1ND PRISM2	1000	2	420	2680	ī		3
PSR1929+1Ø	19 32 14.1	10 59 33	F0C/48	IMAGE	512X512	F342W		ī	228Ø	2014	ī		ī
PSR1929+1Ø	19 32 14.1	10 59 33	F0C/48	IMAGE	512X512	F18ØLP		ī	228Ø	2014	1		ī
PSR1929+1Ø	19 32 14.1	10 59 33	F0C/48	IMAGE	512X512	F3Ø5LP		1	228Ø	2014	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P7	F555W		1	Ø	2579	· 1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P8	F336W		1	2	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P7	F336W		1	4	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P7	F439W		1	1	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P6	F785LP		1	2	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P5	F785LP		1	1	2579	_		1
WD1935+276 WD1935+276	19 37 13.2 19 37 13.2	27 43 25	PC	IMAGE	P7	F785LP		1	2	2579			1
WD1935+276	19 37 13.2	27 43 25 27 43 25	` PC PC	IMAGE IMAGE	P8 P5	F785LP		1	2 6	2579	1		1
WD1935+276	19 37 13.2		PC	IMAGE	P5	F336W F439W		1	-	2579			1 1
2000 . 2.1 0	10 01 10.2	£1 40 ZD		TWVQE	1 0	ГЧЭЭП		1	1	2579	1		

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy .	Spec. Req.	Total Lines
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P6	F336W		1	5	2579	1		1
WD1935+276	19 37 13.2	27 43 25	PC	IMAGE	P6	F439W		1	1	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P7	F555W		1	Ø	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P8	F555₩		1	Ø	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P5	F336W		1	5	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P5	F439W		1	2	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P6	F336W		1	5	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P8	F439W		1	2	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P8	F439W		1	1	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P5	F785LP		1	4	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P7	F785LP		1	4	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P8	F785LP		1	4	2579	1		1
WD1936+327	19 38 28.2	37 31 12	PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P7	F336W		1	5	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P7	F439W		1	1	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P8	F336W		1	2	2579	1		1
WD1936+327	19 38 28.2		PC	IMAGE	P6	F785LP		1	. 4	2579	1		1
HD187642	19 50 47.0		HRS	ACCUM	Ø.25	MIRROR-A1		1	5	2461	1		1
HD187642	19 50 47.0		HRS	ACCUM	Ø.25	ECH-B	2345	4	28	2461	1		1
HD187642	19 50 47.0		HRS	ACCUM	Ø.25	ECH-B	2581	4	28	2461	1		1
HD187642	19 50 47.0		HRS	ACCUM	Ø.25	ECH-B	2596	2	14	2461	1		1
V1Ø18-CYG	19 57 5.Ø		F0C/48	SPEC	256X1Ø24-SLIT		1500		27ØØ	249Ø	1		1
V1Ø18-CYG	19 57 5.Ø		F0C/48	SPEC	256X1Ø24-SLIT		4500	1	1Ø19	249Ø	1		1
CYGNUS-A-OFFSET	19 59 25.0		FOS/BL	ACQ/BINA		MIRROR		1	10	2177	1	ACQ	1
CYGNUS-A	19 59 28.3		WFC	IMAGE	ALL	F336W	336Ø		2600	2177	1	ACQ	1
CYGNUS-A-NUCLEUS	19 59 28.3		FOS/BL	ACCUM	Ø.5	G16ØL	1600		2435	2177	1		1
CYGNUS-A-NUCLEUS	19 59 28.3	40 44 2	FOS/RD	ACCUM	Ø.5	G27ØH	2700		2435	2177	1		1
SOMESTAR-OFFSET	19 59 35.4	20 48 18	FOS/BL	ACQ/BINA		MIRROR		1	9Ø	2237	1	ACQ	1
PSR1957+2Ø	19 59 36.8	20 48 15	PC	IMAGE	P8	F675W		1	300	2237	1		1
PSR1957+2Ø	19 59 36.8		PC	IMAGE	P8	F675W		1	900	2237	1		2
PSR1957+2Ø	19 59 36.8		PC	IMAGE	P8	F791W		1	900	2237	1		2
PSR1957+2Ø	19 59 36.8		PC	IMAGE	P8	F791W		1	300	2237	1	ACQ	1
PSR1957+2Ø-SPEC	19 59 36.8		•	ACCUM	Ø.3	G16ØL	1837		4200	2237	1		1
HD189558		-12 15 20	HRS	ACCUM	Ø.25	G27ØM	313Ø		1400	2634	1		1
HD189558	20 1 0.3		HRS	ACCUM	Ø.25	G27ØM	2498		1400	2634	1		1
QQ-VUL	20 5 41.9 20 16 18.2		HSP/VIS WFC	PRISM	1.0	F551W/F24ØW		-	1741	266Ø	1		1
ES0-2012-4427	20 16 18.2 20 16 18.2		WFC	IMAGE IMAGE	ALL	F555W		1	300	2775	1		1
ES0-2012-4427			PC		ALL P8	F785LP		1	300	2775	1		1
MG2Ø19+1127B	20 19 18.0 20 19 18.0		PC	IMAGE	P8	F517N		1 :	2160	2242	1		1
MG2Ø19+1127B			HRS	IMAGE		F517N	2124	1	503	2242	1		1
HD194598	20 26 11.9		HRS	ACCUM	Ø.25 Ø.25	G27ØM	313Ø		2000	2634	1		1
HD194598	20 26 11.9	9 27 Ø	PC	ACCUM		G27ØM	2498		2000	2634	1		1
WD2028+390	20 29 56.1			IMAGE	P5	F555W		1	Ø	2579	1		1
WD2028+390 WD2028+390	20 29 58.1 20 29 56.1		PC PC	IMAGE IMAGE	P6 P6	F439W		1	2	2579	1		1
			PC	IMAGE		F555W		1	Ø	2579	1		1
WD2028+390 WD2028+390	20 29 56.1 20 29 56.1		PC	IMAGE	P7 P7	F336W		1	4	2579	1		1
			PC			F555W		1	Ø	2579	1		1
WD2028+390 WD2028+390	20 29 56.1 20 29 56.1		PC	IMAGE IMAGE	P8 P5	F555W		1	Ø	2579	1		1 1
			PC	IMAGE		F336W		1	4	2579	1		
WD2028+390	20 29 56.1		PC	IMAGE	P6 P5	F785LP		1	3	2579	1		1
WD2Ø28+39Ø	20 29 56.1	31 13 32	ru	TWYPE	ΓÖ	F439W		1	1	2579	Ŧ		Ţ

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
Wagaa aag						<b>5</b> 5.50W		_			_	
WD2Ø28+39Ø	20 29 58.1		PC	IMAGE	P6	F336W		1	4	2579	1	1
WD2028+390	20 29 56.1		PC	IMAGE	P7	F439W		1	1	2579	1	1
WD2Ø28+39Ø	20 29 58.1		PC	IMAGE	P8	F336W		1	1	2579	1	1
WD2028+390	20 29 56.1		PC	IMAGE	P8	F439W		1	Ø	2579	1	1
WD2028+390	20 29 56.1		PC	IMAGE	P5	F785LP		1	4	2579	1	1
WD2Ø28+39Ø	20 29 56.1		PC	IMAGE	P7	F785LP		1	4	2579	1	1
WD2028+390	20 29 56.1		PC	IMAGE	P8	F785LP		1	4	2579	1	1
WD2Ø32+248 WD2Ø32+248	20 34 21.7 20 34 21.7		PC PC	IMAGE IMAGE	P5 P5	F439W F555W		1 1	Ø	2579 2579	1	1
WD2032+248	20 34 21.7		PC	IMAGE	P6	F439W		1	1 Ø	2579	1	1
WD2032+248	20 34 21.7		PC	IMAGE	P6	F555W		i	1	2579	1	1
WD2032+248	20 34 21.7		PC	IMAGE	P7	F336W		1	ø	2579	1	1
WD2032+248	20 34 21.7		PC	IMAGE	P7	F439W		i	Ø	2579	i	1
WD2032+248	20 34 21.7		PC	IMAGE	P7	F555W		1	1	2579	i	1
WD2032+248	20 34 21.7		PC	IMAGE	P8	F336W		i	ø	2579	i	1
WD2032+248	20 34 21.7		PC	IMAGE	P8	F439W		i	ø	2579	1	1
WD2032+248	20 34 21.7		PC	IMAGE	P8	F555W		ī	1	2579	· 1	i
WD2032+248	20 34 21.7		PC	IMAGE	P7	F785LP		ī	ø	2579	i	i
WD2Ø32+248	20 34 21.7		PČ	IMAGE	P5	F336W		ī	ø	2579	ī	ī
WD2Ø32+248	20 34 21.7		PČ	IMAGE	P6	F336W		ī	ø	2579	î	ī
WD2Ø32+248	20 34 21.7		PC	IMAGE	P5	F785LP		ī	ø	2579	ī	ī
WD2Ø32+248	20 34 21.7		PC	IMAGE	P6	F785LP		ī	ø	2579	ī	ī
WD2Ø32+248	20 34 21.7		PC	IMAGE	P8	F785LP		1	ø	2579	ī	ī
WOLF-1346	20 34 22.3		HRS	ACCUM	2.0	G14ØL	1288	ĩ	600	2593	$\tilde{2}$	ī
3C418.Ø	20 38 36.9		PC	IMAGE	ALL	F7Ø2W			1800	2488	ĩ	ī
AU-MIC		-31 20 27	HRS	RAPID	2.0	G14ØL	1304		214Ø	2321	ī	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-A	1122	1	138	2251	2	1
HD198183	20 47 24.5	36 29 27	HRS	WSCAN	Ø.25	ECH-A	1159	1	1Ø3	2251	2	1
HD198183	20 47 24.5	36 29 27	HRS	WSCAN	Ø.25	ECH-A	13Ø3	1	131	2251	2	1
HD198183	20 47 24.5	36 29 27	HRS	WSCAN	Ø.25	ECH-B	1744	1	234	2251	2	1
HD198183	20 47 24.5	36 29 27	HRS	ACCUM	Ø.25	ECH-A	1548	1	110	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-B	1807	1	158	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	82	2251	2	1
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-A	1547	1	110	2251	2	1
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-A	1548	1	110	2251	2	1
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-B	2323	1	5Ø	2251	2	1
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-A	1251	1	43	2251	2	2
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-A	1252	1	43	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-A	1192	1	117	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-B	1827	1	186	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-B	2058	1	131	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-A	1279	1	103	2251	2	1
HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-A	1357	1	262	2251	2	1
HD198183	20 47 24.5	_	HRS	WSCAN	Ø.25	ECH-A	1391	1	3Ø3	2251	2	1
HD198183 HD198183	20 47 24.5		HRS	WSCAN	Ø.25	ECH-B ECH-A	2025	1	131	2251	2	1
HD198183	20 47 24.5		HRS	ACCUM	Ø.25	ECH-A	1334	1	52	2251	2	1
HD198183	20 47 24.5		HRS HRS	ACCUM	Ø.25 Ø.25	ECH-B	1333 2324	1	52 53	2251	2	2
HD198183	20 47 24.5		HRS	ACCUM ACCUM	Ø.25 Ø.25	ECH-B	232 <del>4</del> 2325	1 1	5Ø	2251	2	1 1
HD198183	20 47 24.5 20 47 24.5		HRS	WSCAN	Ø.25 Ø.25	ECH-A	2325 124Ø	1	5Ø	2251	2	1
2049+190	20 47 24.5		PC	IMAGE	Ø.25 ALL	F555W	1240	1	165 200	2251 235ø	2 1	1
2049+190	20 51 48.4		PC	IMAGE	ALL	F555W		1	200 800	2350	_	1
P9404700	20 01 40.4	19 10 3	re	THYOE	ALL	1 000#			OWW	2359	1	1

Target	R <b>A</b> (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID		Spec. Req.	Total Lines
ES0-2047-6923	20 52 3.8	3 -69 12 Ø	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-2047-8923	20 52 3.8		WFC	IMAGE	ALL	F785LP		1	300	2775	1		ī
CYGL00PNE2	20 55 47.7	31 58 41	WFC	IMAGE	ALL	F656N		1	1500	2355	1		ī
CYGLOOPNE1	20 56 2.8		WFC	IMAGE	ALL	F656N		1	1500	2355	1		1
GD-394	21 12 44.0	50 6 18	HRS	ACCUM	2.0	G16ØM	1400	1	1100	2593	1		1
GD-394	21 12 44.8	50 6 18	HRS	ACCUM	2.0	G16ØM	1307	1	37Ø	2593	1		1
GD-394	21 12 44.0	50 6 18	HRS	ACCUM	2.0	G16ØM	1214	1	500	2593	1		1
PG2112+Ø59	21 14 52.7	6 7 41	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	3	ACQ	1
PG2112+Ø59	21 14 52.7	6 7 41	FOS/BL	ACCUM	1.0	G13ØH	1379	1	8736	2424	3		1
HD2Ø2627		2 -32 10 21	HRS	ACCUM	Ø.25	MIRROR-A2		1	Ø	2537			1
HD2Ø2627		2 -32 10 21	HRS	ACCUM	Ø.25	ECH-B	2345	1	3120	2537	1		1
HD2Ø2627	21 17 56.2	2 -32 10 21	HRS	ACCUM	Ø.25	ECH-B	2854	1	861	2537	1		1
2118+132	21 20 42.5		WFC	IMAGE	ALL	F555W		1	100	235Ø	1		1
2118+132	21 20 42.5		WFC	IMAGE	ALL	F555W		1	500	235Ø	1		1
2118+132	21 20 42.5		WFC	IMAGE	ALL	F555W_		1	2000	235Ø	1		1
2118+132	21 20 42.5		WFC	IMAGE	ALL	F785LP		1	500	235Ø	1		1
2118+132	21 20 42.5		WFC	IMAGE	ALL	F785LP		1	2000	235Ø	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P5	F555W		1	2	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P6	F336W		1	23	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P7	F439W		1	5	2579	1		. 1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P8	F336W		1	9	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P8	F555W		1	1	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P6	F785LP		1	10 10	2579 2579	1		1
WD2124+55Ø WD2124+55Ø	21 26 25.1 21 26 25.1		PC PC	IMAGE	P5 P7	F785LP		1 1	11	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE IMAGE	P5	F785LP F336W		1	25	2579	1		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P5	F439W		1	7	2579	i		1
WD2124+55Ø	21 26 25.1		PC	IMAGE	P6	F439W		ī	7	2579	i		i
WD2124+55Ø	21 26 25.1		PC	IMAGE	P6	F555W		i	i	2579	î		i
WD2124+55Ø	21 26 25.1		PC	IMAGE	P7	F336W		i	22	2579	î		ī
WD2124+55Ø	21 26 25.1		PČ	IMAGE	P7	F555W		ī	1	2579	ī		ī
WD2124+55Ø	21 26 25.1		PC	IMAGE	P8	F439W		ī	3	2579	ī		ī
WD2124+55Ø	21 26 25.1		PC	IMAGE	P8	F785LP		1	10	2579	1		ī
WD2126+734	21 26 57.2		PC	IMAGE	P5	F336W		1	4	2579	1		1
WD2126+734	21 26 57.2	2 73 38 50	PC	IMAGE	P5	F555W		1	Ø	2579	1		1
WD2126+734	21 26 57.2	73 38 50	PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD2126+734	21 26 57.2	73 38 50	PC ·	IMAGE	P7	F555W		1	Ø	2579	1		1
WD2126+734	21 26 57.2	73 38 50	PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WD2126+734	21 26 57.2	73 38 50	PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD2126+734	21 26 57.2	73 38 50	PC	IMAGE	P5	F439W		1	1	2579	1		1
WD2126+734	21 26 57.2		PC	IMAGE	P6	F336W		1	- 3	2579	1		1
WD2126+734	21 26 57.2		PC	IMAGE	P7	F336W		1	3	2579	1		1
WD2126+734	21 26 57.2		PC	IMAGE	P8	F336W_		1	1	2579	1		1
WD2128+734	21 26 57.2		PC	IMAGE	P5	F785LP		1	2	2579	1		1
WD2126+734	21 26 57.2		PC	IMAGE	P6	F439W		1	1	2579	_		1
WD2126+734	21 26 57.2		PC	IMAGE	P7	F439W		1	Ø	2579			1
WD2128+734	21 26 57.2		PC	IMAGE	P6	F785LP		1	1	2579	1		1
WD2126+734	21 26 57.2		PC	IMAGE	P7	F785LP		1	2	2579			1
WD2126+734	21 26 57.2		PC	IMAGE	P8	F785LP		1	1	2579			1
Q2127-158	21 29 49.4		PC	IMAGE	ALL	F555W		1	200	235Ø	_		1
Q2127-158		-15 33 14	PC	IMAGE	ALL	F555W		1	800	235Ø		ACO	1
PKS2128-12	21 31 35.3	3 -12 7 5	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1

Page														
PKS2128-12 21 31 36.3 -12 7 5 FOS/BL ACCUM 1.8 G106L 1837 1 996 2424 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Target	RA (2000)	Dec (2000)			Aperture					ID	Cy.		
PKS2128-12 21 31 35.3 -12 7 5 FOS/BL ACCUM 1.6 G166L 1837 1 960 2424 1 1 1 PKS2128-12 21 31 35.3 -12 7 5 FOS/BL ACCUM 1.6 G276H 275.3 1 558 2424 1 1 1 PKS2128-12 21 31 36.3 -12 7 5 FOS/BL ACCUM 1.6 G276H 275.3 1 558 2424 1 1 1 PKS2128-12 21 31 36.3 -12 7 5 FOS/BL ACCUM 1.6 G276H 275.3 1 558 2424 1 1 1 PKS2128-12 21 31 36.3 -12 7 5 FOS/BL ACCUM 1.6 G276H 275.3 1 558 2424 1 1 1 PKS2128-12 21 31 5.5 8 6 15 21 PC IMAGE P6 FAS/BL ACCUM 1.6 G276H 275.3 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	PKS2128-12	21 31 35.3	3 -12 7 5	FOS/RD	ACQ/BINA	4.3	MIRROR		1	9	2424	1	ACQ	1
PKS2128-12 21 31 35.3 -12 7 5 FOS/RD ACCUM 1.6 C276H 2753 1 558 2424 1 1 1 LD5749-B 21 32 16.8 6 15 21 PC 1 IMAGE P6 P439W 1 1 288 1 238 2424 1 1 1 LD5749-B 21 32 16.8 6 15 21 PC 1 IMAGE P6 P439W 1 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P6 P439W 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P6 P439W 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 1 7 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P439W 1 1 16 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P735LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P735LP 1 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P735LP 1 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2579 1 1 1 W02129-808 21 32 16.8 6 16 21 PC 1 IMAGE P7 P755LP 1 1 1 2 2579 1 1 1 1 E579 1 1 1 W02129-808 21 22 16.8 6 16	PKS2128-12	21 31 35.3	3 -12 7 5	FOS/BL	ACCUM	1.0	G16ØL	1837	1	9ØØ	2424	1	•	1
PKS2128-12	PKS2128-12	21 31 35.3	3 -12 7 5	FOS/RD	ACCUM	1.0			_					
LD5749-B6									_					
W02129-0806							_							
MD2129-8080   21 32 15.8 8 0 15 21 PC								1200	_					
NO2129-8080														
NO.2129-9609										_				
W02129-8666	*													
MO2129-8080					_									
WD2129-8080   21 32 15.8														
NO2129-9606   21 32 16.8														
W02129+0606														
WD2129+0606												_		
NO2129-0808									_			_		
W02129+0808	*						F555W		1	2	2579	1		
W02129-0000	WD2129+000					P7	F439W		1	5	2579	1		1
WD2129+0806	WD2129+ØØØ	21 32 15.8	8 Ø 15 21	PC	IMAGE	P7	F555W		1	1	2579	1		1
W02129-0806	WD2129+ØØØ	21 32 15.8	8 Ø 15 21	PC	IMAGE	P8	F336W		1	6	2579	1		1
NO   12  29-000	WD2129+ØØØ	21 32 15.8	8 Ø 15 21	PC	IMAGE	P8	F439W		1	3	2579	1		1
ESO-2133-5446 21 38 27,8 -54 33 26 WFC IMAGE ALL F555W 1 300 2775 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WD2129+ØØØ	21 32 15.8	Ø 15 21	PC	IMAGE	P8	F555W		1	1	2579	1		1
ESO-2133-5446	WD2129+000	21 32 15.8	Ø 15 21	PC	IMAGE	P8	F785LP		1	10	2579	1		1
ESO-2133-5446	ES0-2133-5446	21 36 27.8	3 -54 33 26	WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
PKS2143-158	ES0-2133-5446	21 36 27.8	3 -54 33 26	WFC	IMAGE	ALL				300	2775	1		
PKS2143-156	PKS2143-158	21 46 23.0	7 -15 25 44	FOS/RD	ACCUM			4000	_					
PKS2143-156				•										
PKS2145-96 21 48 23.0 -15 25 44 FOS/RD ACQ/BINA 4.3 MĪRROR 1 11 2578 2 ACQ 1 PKS2145-96 21 48 5.5 6 57 39 FOS/BL ACQ/BINA 4.3 MĪRROR 1 111 2424 1 ACQ 1 PKS2145-96 21 48 5.5 6 57 39 FOS/BL ACQ/BINA 4.3 MĪRROR 1 111 2424 1 ACQ 1 PKS2146-98 21 48 5.5 6 57 39 FOS/BL ACCUM 1.0 G160L 1837 1 360 2424 1 1 PKS2146-133 21 49 28.7 -13 4 26 PC IMAGE ALL F606W 2 1100 2488 1 1 PKS2146-304 21 58 52.0 -30 13 32 PC IMAGE ALL F505FW 1 200 2350 1 1 PKS2156-304 21 58 52.0 -30 13 32 PC IMAGE ALL F505FW 1 800 2350 1 1 PKS2156-304 21 58 52.0 -30 13 32 PC IMAGE ALL F505FW 1 800 2350 1 1 PKS2156-304 21 58 52.0 -30 13 32 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2424 3 ACQ 1 PKS2156-304 21 58 52.0 -30 13 32 FOS/RD ACCUM 1.0 G190H 1980 1 180 2424 3 1 PKS2156-304 21 58 52.0 -30 13 32 FOS/RD ACCUM 1.0 G190H 1980 1 180 2424 3 1 PKS2156-304 21 58 52.0 -30 13 32 FOS/RD ACCUM 1.0 G270H 2753 1 180 2424 3 1 PKS2156-304 21 58 52.0 -30 13 32 FOS/RD ACCUM 1.0 G270H 2753 1 180 2424 3 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 PKS22201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 ACQ 1 PKS2201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 FOS/RD ACCUM 1.0 G190H 1900 1 1019 2578 1 AC	PKS2143-156			FOS/RD	ACCUM	1.0								
PKS2145-08													ACQ	
PKS2145+96													•	
PKS2146-133								1837						
PKS2155-304								100.						
PKS2155-394														
PKS2155-304 21 58 52.0 -30 13 32 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2424 3 ACQ 1 PKS2155-304 21 58 52.0 -30 13 32 FOS/RD ACCUM 1.0 G190H 1980 1 180 2424 3 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G270H 2753 1 180 2424 3 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G130H 1300 1 2340 2578 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G270H 2700 1 176 2578 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G270H 2700 1 176 2578 1 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACCUM 1.0 G270H 2700 1 176 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 11 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 10 19 2578 1 ACQ 1 822201+31A 22 3 15.0 31 45 38 FOS/RD ACQ/BINA 4.3 MIRROR 1 10 19 2578 1 ACQ 1 822203+29 22 6 2.7 29 30 2 WFC IMAGE ALL F702W 1 200 2350 1 1 Q2203+29 22 6 2.7 29 30 2 WFC IMAGE ALL F702W 1 800 2350 1 1 Q2203+29 12 6 53.1 -31 3 0 WFC IMAGE ALL F505W 1 300 2775 1 1 1 SCO-2204-3117 22 6 53.1 -31 3 0 WFC IMAGE ALL F505W 1 300 2775 1 1 1 NGC7212 22 7 2.0 10 14 0 FOS/RD ACCUM 0.5 PRISM 1 721 2711 1 1 1 NGC7212 22 7 2.0 10 14 0 FOS/RD ACCUM 0.5 PRISM 1 721 2711 1 1 1 NGC7212 22 7 2.0 10 14 0 FOS/RD ACCUM 0.5 PRISM 1 721 2711 1 1 1 NGC7212 22 7 2.0 10 14 0 FOS/RD ACCUM 0.5 PRISM 1 721 2711 1 1 1 NGC7212 22 8 22.9 -32 59 19 HRS ACCUM 0.25 ECH-B 2345 1 2700 2537 1 1 1 NG210049 22 8 22.9 -32 59 19 HRS ACCUM 0.25 ECH-B 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365 1 7 7 2500 2365														
PKS2155-304	<del>-</del>								_				ACD	
PKS2155-304				•				1098				_	nea	
B22201+31A												_		
B22201+31A												_		
B22201+31A								2 2 2 2	_			_		
B22201+31A				•					_					
B22201+31A				•				2100	_			_	ACO	
B22201+31A       22       3 15.0       31 45 38 FOS/BL       ACCUM       1.0       G190H       1900       1 1019 2578 1       1         Q2203+29       22 6 2.7 29 30 2 WFC       IMAGE ALL       F702W       1 200 2350 1       1         ES0-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F555W       1 300 2775 1       1         ES0-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F785LP       1 300 2775 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACCUM 0.5       PRISM       1 721 2711 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACQ/BINA 4.3       MIRROR       1 11 2711 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       MIRROR-A2       1 0 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2345 1 2700 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2854 1 725 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2854 1 725 2537 1       1         22H-DEEP-FIELD       22 17 34.7 0 15 6 WFC       IMAGE W1       F5556W       1 2500 2365 1       7	•			•					_				•	
Q2203+29       22 6 2.7 29 30 2 WFC       IMAGE ALL       F702W       1 200 2350 1       1         Q2203+29       22 6 2.7 29 30 2 WFC       IMAGE ALL       F702W       1 800 2350 1       1         ES0-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F555W       1 300 2775 1       1         ES0-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F785LP       1 300 2775 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACCUM 0.5       PRISM       1 721 2711 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACQ/BINA 4.3       MIRROR       1 11 2711 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       MIRROR-A2       1 0 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2345 1 2700 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2854 1 725 2537 1       1         22H-DEEP-FIELD       22 17 34.7 0 15 6 WFC       IMAGE W1       F555W       1 2500 2365 1       7				,				1000	_				ACG	
Q2203+29       22 6 2.7 29 30 2 WFC       IMAGE ALL       F702W       1 800 2350 1       1         ESO-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F555W       1 300 2775 1       1         ESO-2204-3117       22 6 53.1 -31 3 0 WFC       IMAGE ALL       F785LP       1 300 2775 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACCUM 0.5       PRISM       1 721 2711 1       1         NGC7212       22 7 2.0 10 14 0 F0S/RD       ACQ/BINA 4.3       MIRROR       1 11 2711 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       MIRROR-A2       1 0 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2345 1 2700 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2854 1 725 2537 1       1         22H-DEEP-FIELD       22 17 34.7 0 15 6 WFC       IMAGE W1       F555W       1 2500 2365 1       7								1900						
ESO-2204-3117	•													
ESO-2204-3117														
NGC7212       22 7 2.0 10 14 0 FOS/RD       ACCUM 0.5       PRISM       1 721 2711 1       1         NGC7212       22 7 2.0 10 14 0 FOS/RD       ACQ/BINA 4.3       MIRROR       1 11 2711 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       MIRROR-A2       1 0 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2345 1 2700 2537 1       1         HD210049       22 8 22.9 -32 59 19 HRS       ACCUM 0.25       ECH-B       2854 1 725 2537 1       1         22H-DEEP-FIELD       22 17 34.7 0 15 6 WFC       IMAGE W1       F555W       1 2500 2365 1       7									_					
NGC7212       22       7       2.0       10       14       0       FOS/RD       ACQ/BINA 4.3       MIRROR       1       11       2711       1         HD210049       22       8       22.9       -32       59       19       HRS       ACCUM       0.25       MIRROR-A2       1       0       2537       1       1         HD210049       22       8       22.9       -32       59       19       HRS       ACCUM       0.25       ECH-B       2345       1       2700       2537       1       1         HD210049       22       8       22.9       -32       59       19       HRS       ACCUM       0.25       ECH-B       2854       1       725       2537       1       1         22H-DEEP-FIELD       22       17       34.7       0       15       6       WFC       IMAGE       W1       F555W       1       2500       2365       1       7														
HD21Ø49 22 8 22.9 -32 59 19 HRS ACCUM Ø.25 MIRROR-A2 1 Ø 2537 1 1 HD21Ø49 22 8 22.9 -32 59 19 HRS ACCUM Ø.25 ECH-B 2345 1 27ØØ 2537 1 1 HD21Ø49 22 8 22.9 -32 59 19 HRS ACCUM Ø.25 ECH-B 2854 1 725 2537 1 1 22H-DEEP-FIELD 22 17 34.7 Ø 15 6 WFC IMAGE W1 F555W 1 25ØØ 2365 1 7									_					
HD210049 22 8 22.9 -32 59 19 HRS ACCUM 0.25 ECH-B 2345 1 2700 2537 1 1 1 HD210049 22 8 22.9 -32 59 19 HRS ACCUM 0.25 ECH-B 2854 1 725 2537 1 1 22H-DEEP-FIELD 22 17 34.7 0 15 6 WFC IMAGE W1 F555W 1 2500 2365 1 7														
HD210049 22 8 22.9 -32 59 19 HRS ACCUM 0.25 ECH-B 2854 1 725 2537 1 1 22H-DEEP-FIELD 22 17 34.7 0 15 8 WFC IMAGE W1 F555W 1 2500 2365 1 7							_		-	-		_		
22H-DEEP-FIELD 22 17 34.7 Ø 15 8 WFC IMAGE W1 F555W 1 2500 2365 1 7												_		
							ECH-B	2854	1	725		_		
00U DEED ETELD 00 17 04 7									1	25ØØ		_		
22n-DEEF-FIELD 22 1/ 34.7 6 15 6 FUC/48 IMAGE 512X1024 F220W 1 1816 2365 1 8	22H-DEEP-FIELD	22 17 34.7	Ø 15 6	F0C/48	IMAGE	512X1Ø24	F22ØW		1	1816	2365	1		8

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•			Inst.	Operating		Spectral	Central	No.	Exp.		:	Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
PKS2216-Ø3	22 18 52.1	-3 35 37	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	3ØØ	2578	1		4
PKS2216-Ø3	22 18 52.1		FOS/RD	ACCUM	1.0	G19ØH	1900	1	840	2578	i		1
PKS2216-Ø3	22 18 52.1		FOS/RD	ACCUM	1.0	G27ØH	2700	i	420	2578	1		_
PKS2216-Ø3	22 18 52.1		FOS/RD	ACQ/BINA		MIRROR	2100	i	11	2578	i	ACO	1
ES0-2217-4617	22 20 57.7		WFC	IMAGE	ALL	F555W		i	300	2775	1	ACQ	1
ES0-2217-4617	22 20 57.7		WFC	IMAGE	ALL	F785LP				2775			1
HD212571	22 25 16.5		HRS	RAPID	2.0	G2ØØM	1829	1	300	2544	1		1
HD212571	22 25 16.6		HRS					1	70		1		5
HD212571				WSCAN	Ø.25	ECH-A	1122	1	66	2251	1		1
	22 25 16.6		HRS	WSCAN	Ø.25	ECH-A	1159	1	49	2251	1		1
HD212571	22 25 18.6		HRS	WSCAN	Ø.25	ECH-A	1303	1	62	2251	1		1
HD212571	22 25 16.6		HRS	WSCAN	Ø.25	ECH-B	1807	1	75	2251	1		1
HD212571	22 25 16.6		HRS	WSCAN	Ø.25	ECH-B	237Ø	1	39	2251			1
HD212571	22 25 16.6		HRS	WSCAN	Ø.25	ECH-B	1744	1	112	2251	_		1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1548	1	52	2251	1		1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1547	1	52	2251	1		1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1548	1	52	2251			1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-B	2323	1	24	2251	1		1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1251	1	2Ø	2251	1		2
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1252	1	2Ø	2251	1		1
HD212571	22 25 18.6		HRS	ACCUM	Ø.25	ECH-A	1334	1	25	2251	1		1
HD212571	22 25 16.6		HRS	ACCUM	Ø.25	ECH-A	1333	1	25	2251	1		2
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-A	1192	1	56	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-B	1827	1	89	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-B	2Ø58	1	62	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-A	124Ø	1	79	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-A	1279	1	49	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-B	2Ø25	1	62	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-A	1357	1	125	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	ACCUM	Ø.25	ECH-B	2324	1	24	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	ACCUM	Ø.25	ECH-B	2325	1	24	2251	1		1
HD212571	22 25 16.6	1 22 39	HRS	WSCAN	Ø.25	ECH-A	1391	1	145	2251	1		1
3C446	22 25 47.3	-4 57 1	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	75Ø	2578	1		1
3C448	22 25 47.3	-4 57 1	FOS/RD	ACCUM	1.Ø	G27ØH	2700	1	99Ø	2578	1		1
3C446	22 25 47.3	-4 57 1	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
1E2223-Ø517	22 26 15.8	-5 2 6	PC '	IMAGE	ALL	F555W		1	200	235Ø	1	•	1
1E2223-Ø517	22 26 15.8	-5 2 6	PC	IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1
2226+Ø89	22 29 8.1	9 14 21	PC ·	IMAGE	ALL	F555W		1	200	235Ø	1		1
2226+Ø89	22 29 8.1	9 14 21	PC	IMAGE	ALL	F555W		1	800	235Ø	ī		<u>1</u>
HD21331Ø	22 29 31.9	47 42 25	F0C/288	IMAGE	512X1Ø24	F175W F1ND PRISM2		2	60	268Ø	1		3
HD213659	22 32 21.5		F0C/288	IMAGE	512X1Ø24	F175W F1ND PRISM2		1	48Ø	268Ø	ī		3
CTA1Ø2	22 32 36.4		FOS/BL	ACQ/BINA	4.3	MIRROR		ī	11	2424	2	ACQ	1
CTA1Ø2	22 32 36.4		FOS/BL	ACCUM	1.Ø	G16ØL	1837	ī	792	2424	2		ī
CTA1Ø2	22 32 36.4		FOS/RD	ACCUM	1.0	G4ØØH	4000	ī	600	2578	ī		ī
CTA102	22 32 36.4		FOS/RD	ACCUM	1.0	G27ØH	2700	ī	78Ø	2578	ī		ī
CTA1Ø2	22 32 36.4		FOS/RD	ACQ/BINA		MIRROR		ī	11	2578	ī	ACQ	ī
INCA221-147-AST2	22 34 10.9		FGS	POS	2	F55ØW		î	10	2859	i	CON PA	R 1
INCA221-147-AST1	22 34 11.8		FGS	POS	2	F55ØW		ī	6Ø	2859	i	CON PA	
INCA221-147-AST1		-48 27 38	FGS	POS	2	F55ØW		i	26	2859	_	CON PA	
INCA221-147	22 34 58.9		PC	IMAGE	P8	F658N		1	1Ø	2859		CON	1
2232-488INCA221-147	22 35 13.3		PC	IMAGE	P8	F6Ø6W		i	26	2859	1	CON	i
2232-488INCA221-147	22 35 13.3		PC	IMAGE	P8	F725LP		1	6Ø	2859	_	CON	1
NGC7314	22 35 15.8		WFC	IMAGE	ALL	F555W		i	300	2775	1	CUIT	1
1140,014	-L 30 40.0	-20 3 5	m C	TWVQC	ALL	1 00011		1	ששכ	2115	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
NGC7314	22 35 45.8		WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PG2233+134	22 36 7.7		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG2233+134	22 36 7.7		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PG2233+134	22 36 7.7		FOS/RD	ACCUM	1.0	G27ØH	2753	1	582	2424	3		1
PG2233+134 PG2233+134	22 36 7.7 22 36 7.7		FOS/RD	ACCUM	1.0	G19ØH	1980	1 .	1584	2424	3		1
NGC7331-FIELD	22 37 5.1		FOS/BL WFC	ACCUM	1.0	G13ØH	1379	1 1	1429 2500	2424 2227	3 1		1
NGC7331-FIELD	22 37 5.1		WFC	IMAGE IMAGE	ALL ALL	F336W F555W		1	2500	2227	1		2 13
NGC7331-FIELD	22 37 5.1		WFC	IMAGE	ALL	F785LP		i	2500	2227	ī		4
NGC7331-FIELD	22 37 5.1		F0C/48	IMAGE	512X1Ø24	F15ØW		î	2500	2227	î	PAR	12
NGC7331-FIELD	22 37 5.1		F0C/48	IMAGE	512X1Ø24	F43ØW		ī	2500	2227	ī	PAR	3
NGC7331-FIELD	22 37 5.1		F0C/48	IMAGE	512X1Ø24	F15ØW		2	2500	2227	ī	PAR	ĭ
NGC7331-FIELD	22 37 5.1	34 25 10	F0C/48	IMAGE	512X1Ø24	F43ØW		2	2500	2227	1	PAR	1
2236+Ø93	22 39 31.2		PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
2236+093	22 39 31.2		PC	IMAGE	ALL	F555W		1	8ØØ	235Ø	1		1
G2237+Ø3Ø5	22 40 29.8		F0C/96	IMAGE	512X512	F2ND F342W		1	900	25Ø2	1		1
MRK917	22 41 7.6	<b></b>	FOS/RD	ACCUM	Ø.5	PRISM		1	721	2711	1		1
MRK917	22 41 7.6		FOS/RD	ACQ/BINA		MIRROR		1	11	2711	1		1
AKN564-PCP0S AKN564-PCP0S	22 42 39.7 22 42 39.7		PC	IMAGE	ALL	F284W		1	60	2076	1	ACQ	1
AKN564-PCPOS	22 42 39.7		PC PC	IMAGE IMAGE	ALL	F284W		1	300	2076 2076	1	ACQ	1
AKN564-PCPOS	22 42 39.7		PC	IMAGE	ALL ALL	F517N F517N		1 1	3Ø 3ØØ	2076	1	ACQ ACQ	1 1
AKN564-PCPOS	22 42 39.7		PC	IMAGE	ALL	F588N		i	3Ø	2076	1	ACQ	1
AKN564-PCPOS	22 42 39.7		PC	IMAGE	ALL	F588N		ī	600	2076	ī	ACQ	ī
AKN584	22 42 40.2			ACCUM	Ø.5	G13ØH	138Ø		2600	2076	ī	7104	ī
AKN584	22 42 40.2			ACCUM	Ø.5	G27ØH	2753	1	600	2076	ĩ		ī
AKN564	22 42 40.2	29 44 13	F0S/BL	ACCUM	Ø.5	G19ØH	1954	1	3600	2076	1		1
AKN584	22 42 40.2			ACCUM	Ø.5	G4ØØH	4013	1	1500	2Ø76	1		1
AKN564-OFFSET	22 42 40.2		FOS/BL	ACQ/BINA		MIRROR		1	3	2076	1	ACQ	1
AKN564-OFFSET	22 42 40.2		FOS/RD	ACQ/BINA		MIRROR		1	1	2Ø76	1	ACQ	1
G233-27	22 44 7.2		FGS	POS	PRIME	F583W		1	5Ø	2428	1		32
G233-27 G233-27	22 44 7.8		FGS	POS	PRIME	F583W		1	5Ø	2428	2		32
G233-27	22 44 7.8 22 44 7.8		FGS FGS	POS	PRIME	F583W		1	5Ø	2428	3		13
PKS2243-123	22 46 18.2		FOS/BL	TRANS ACQ/BINA	PRIME	F583W MIRROR		1 1	1Ø 11	2428 2424	1 2	ACQ	1 1
PKS2243-123	22 46 18.2		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
PKS2243-123	22 46 18.2		FOS/BL	ACCUM	1.0	G16ØL	1837	1	6Ø6	2424	2	Acq	î
PKS2243-123	22 46 18.2		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	558	2424	2		ī
PKS2243-123	22 46 18.2		FOS/RD	ACCUM	1.0	G19ØH	1980	ī	1661	2424	2		ī
CL2244-Ø2-ARC	22 47 12.3		PC S	IMAGE	P8	F555W		1	3911	28Ø1	1		1
ES0-2244-6519	22 47 19.4	-65 3 29	WFC	IMAGE	ALL	F555 <b>W</b>		1	300	2775	1		1
ES0-2244-8519	22 47 19.4		WFC	IMAGE	ALL	F785LP		1	3ØØ	2775	1		1
2248+Ø67	22 50 46.5		PC	IMAGE	ALL	F555W		1	200	235Ø	1		1
2248+Ø67	22 50 46.5		PC	IMAGE	ALL	F555W		1	800	235Ø	1		1
POINT2251+158INCA221 -153			s/c	POINTING	V1			1	Ø	2862	1		1
INCA221-153	22 53 47.2		FGS	POS	2	F583W		1	51	2862	_		2
3C454.3	22 53 57.7		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C454.3	22 53 57.7		FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
3C454.3 3C454.3	22 53 57.7		FOS/BL	ACCUM	1.0	G16ØL	1837	1	576	2424	3		1
3C454.3 3C454.3	22 53 57.7		FOS/RD	ACCUM	1.0	G27ØH	2753	1	426	2424	3		1
36704.3	22 53 57.7	16 8 53	FOS/RD	ACCUM	1.Ø	G19ØH	198Ø	1	1524	2424	3		1

Fixed in Sons													
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. . Time	ID		Spec. Req.	Total Lines
3C454.3	22 53 57.8		FGS	TRANS	1	F583W		1	586	2443	1		1
3C454.3	22 53 57.8		FGS	TRANS	1	F65ØW		1	586	2443	1		1
3C454.3	22 53 57.8		FGS	TRANS	2	F583W		1	586	2443	1		1
3C454-3	22 53 57.8	8 16 8 53	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	240	2578	1		1
3C454-3	22 53 57.		FOS/RD	ACCUM	1.0	G27ØH	2700	1	300	2578	1		1
3C454-3	22 53 57.	B 16 8 53	FOS/RD	ACCUM	1.0	G19ØH	1900	1	86Ø	2578	1		1
3C454-3	22 53 57.	8 16 8 53	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
2251+158INCA221-153	22 53 57.8	8 16 8 54	FGS	POS	2	F583W		1	51	2862	1		3
PKS2251+11	22 54 10.4	4 11 36 39	F0S/BL	ACQ/BINA	4.3	MIRROR		1	11	2424	1	ACQ	1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACCUM	1.0	G27ØH	2753	1	522	2424	1		1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/BL	ACCUM	1.Ø	G13ØH	1379	1	10080	2424	1		1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1956	2424	1		1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACQ/BINA	4.3	MIRROR		1	6	2424	1	ACQ	1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	150	2578	1	•	1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/BL	ACCUM	1.0	G13ØH	1300	1	168Ø	2578	1		1
PKS2251+11	22 54 1Ø.4	4 11 36 39	FOS/BL	ACCUM	1.0	G19ØH	1900	1	78Ø	2578	1		1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACCUM	1.0	G27ØH	2700	1	15Ø	2578	1		1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/BL	ACQ/BINA	4.3	MIRROR		1	11	2578	1	ACQ	1
PKS2251+11	22 54 10.4	4 11 36 39	FOS/RD	ACQ/BINA		MIRROR		1	11	2578	1	ACQ	1
PKS2251+11	22 54 10.	5 11 36 38	WFC [*]	IMAGE	ALL	F785LP		1	500	2425	1	•	1
PKS2251+11	22 54 10.	5 11 36 38	WFC	IMAGE	ALL	F785LP		1	23ØØ	2425	1		1
PKS2251+114	22 54 10.	5 11 36 38	PC	IMAGE	ALL	F664N		3	600	2687	1		1
PKS2251+114	22 54 10.	5 11 36 38	PC	IMAGE	ALL	F718M		3	120	2687	1		1
NGC741Ø	22 55 Ø.	1 -39 39 49	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
NGC741Ø	22 55 Ø.	1 -39 39 49	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F555W		1	2Ø	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F555W		1	200	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F555W		1	1000	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F439W		1	225	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F785LP		1	3Ø	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F785LP		1	300	2591	1		1
IC1459	22 57 10.0	8 -36 27 44	PC	IMAGE	P7	F785LP		1	1400	2591	1		1
ES0-2254-4339	22 57 12.	5 -43 23 51	WFC	IMAGE	ALL	F555W		1	300	2775	1		1
ES0-2254-4339	22 57 12.	5 -43 23 51	WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PKS2254+Ø74	22 57 17.3	3 7 43 12	FOS/BL	ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
PKS2254+Ø74	22 57 17.3	3 7 43 12	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2424	2	ACQ	1
PKS2254+Ø74	22 57 17.3	3 7 43 12	FOS/RD	ACCUM	1.0	G27ØH	2753	1	522	2424	2	-	1
PKS2254+Ø74	22 57 17.3		FOS/BL	ACCUM	1.0	G13ØH	1379	1	13020	2424	2		1
PKS2254+Ø74	22 57 17.3	3 7 43 12	FOS/RD	ACCUM	1.Ø	G19ØH	198ø	1	1476	2424	2		1
PKS2254+Ø24	22 57 17.0	8 2 43 18	FOS/RD	ACCUM	1.0	G4ØØH	4000	1	48Ø	2578	2		1
PKS2254+Ø24	22 57 17.0	8 2 43 18	FOS/RD	ACQ/BINA	4.3	MIRROR		1	11	2578	2	ACQ	1
HD216956	22 57 39.6	Ø -29 37 2Ø	HRS	ACCUM	Ø.25	MIRROR-A1		1	2	2537	1	•	1
HD216956	22 57 39.4	ð -29 37 2Ø	HRS	ACCUM	Ø.25	ECH-A	1547	1	440	2537	1		1
HD216956	22 57 39.6	Ø -29 37 2Ø	HRS	ACCUM	Ø.25	ECH-A	1667	1	616	2537	1		1
P0INT2255-282INCA221 -158			s/c	POINTING	V1			1	Ø	2862	1		1
INCA221-158	22 57 42.	7 -27 57 58	FGS	POS	2	F5ND		1	51	2862	1		2
2255-282INCA221-158	22 58 6.4	Ø -27 58 21	FGS	POS	2	F55ØW		1	51	2862	1		1
2255-282INCA221-158	22 58 6.6	Ø -27 58 21	FGS	POS	2	F583W		1	51	2862	1		2
AC114-P0S2		8 -34 48 42	WFC	IMAGE	ALL	F814W		1	3700	2269	1		1
AC114-P0S2		8 -34 48 42	WFC	IMAGE	ALL	F555W		1	6699	2269	1		1
AC114-P0S1	22 58 53.	5 -34 48 18	WFC	IMAGE	ALL	F555W		1	6000	2269	1		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
AC114-POS1	22 58 53.5	5 -34 48 18	WFC	IMAGE	ALL	F814W		1	37ØØ	2269	1		1
NGC7457	23 1 Ø.6		PC	IMAGE	ALL	F785LP		ī	40	2600	2		î
NGC7457	23 1 Ø.6		PC	IMAGE	ALL	F785LP		ī	400	2600	2		2
HD217875	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	1159	1	58	2251	2		ī
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-B	1807	ī	89	2251	2		ī
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-B	1744	1	132	2251	2		î
HD217675	23 1 55.3		HRS	ACCUM	Ø.25	ECH-A	1548	1	62	2251	2		ī
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	1122	1	77	2251	2		ī
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	1303	1	74	2251	2		ī
HD217675	23 1 55.3	3 42 19 34	HRS	WSCAN	Ø.25	ECH-B	237Ø	1	46	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1547	1	62	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1548	1	62	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-B	2323	1	28	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	WSCAN	Ø.25	ECH-A	1192	1	66	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	WSCAN	Ø.25	ECH-B	1827	1	105	2251	2		1
HD217875	23 1 55.3	3 42 19 34	HRS	WSCAN	Ø.25	ECH-A	1279	1	58	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1251	1	24	2251	2		2
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1252	1	24	2251	2		1
HD217875	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1334	1	29	2251	2		1
HD217675	23 1 55.3	3 42 19 34	HRS	ACCUM	Ø.25	ECH-A	1333	1	29	2251	2		2
HD217675	23 1 55.3		HRS	ACCUM	Ø.25	ECH-B	2324	1	28	2251	2		1
HD217675	23 1 55.3		HRS	ACCUM	Ø.25	ECH-B	2325	1	28	2251	2		1
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-B	2058	1	74	2251	2		1
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	124Ø	1	93	2251	2		1
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	1357	1	148	2251	2		1
HD217875	23 1 55.3		HRS	WSCAN	Ø.25	ECH-A	1391	1	171	2251	2		1
HD217675	23 1 55.3		HRS	WSCAN	Ø.25	ECH-B	2025	1	74	2251	2		1
Q23ØØ-445-R1		7 -44 10 28	F0C/288	IMAGE	512X512	F21ØM			1620	2624	1		1
Q23ØØ-445-R2		7 -44 10 28	F0C/288	IMAGE	512X512	F21ØM			1620	2624	1	4.00	1
PKS23ØØ-683	23 3 43.7		FOS/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PKS23ØØ-683	23 3 43.7		FOS/RD	ACQ/BINA		MIRROR	1027	1	11	2424	3	ACQ	1
PKS23ØØ-683 PKS23ØØ-683	23 3 43.7		FOS/BL	ACCUM	1.0	G16ØL	1837	1	486	2424	3		1
PKS2300-683	23 3 43.7 23 3 43.7		FOS/RD FOS/RD	ACCUM ACCUM	1.Ø 1.Ø	G19ØH G27ØH	198Ø 2753	1 1	162Ø 57Ø	2424 2424	3		1
PG23Ø2+Ø29	23 4 45.6		FOS/BL			MIRROR	2153	i	11	2424	3 2	ACQ	1 1
PG23Ø2+Ø29	23 4 45.6		FOS/BL	ACQ/BINA ACCUM	1.0	G16ØL	1837	i	774	2424	2	ACQ	i
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A36	1549	_	1242	2403	1		i
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A4Ø	1400	_	1242	2403	1		î
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A45	1240		1143	2403	ī		i
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A45	1258		1044	2403	ī		i
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A47	1197	ī	666	2403	ī		î
HD218915	23 11 8.9		HRS	ACCUM	Ø.25	ECH-A47	1204	_	1Ø53	2403	ī		ī
HD218915	23 11 6.9		HRS	ACCUM	Ø.25	ECH-A4Ø	1391		1520	24Ø3	_		ī
PKS231Ø-322		3 -22 57 49	PC	IMAGE	ALL	F664N	1001	3	600	2687	ī		ī
PKS231Ø-322		3 -22 57 49	PC	IMAGE	ALL	F718M		3	120	2687			ī
PKS231Ø-322		-31 57 49	FOS/BL	ACQ/BINA		MIRROR		ĭ	11	2424		ACQ	ī
PKS231Ø-322		-31 57 49	FOS/RD	ACQ/BINA		MIRROR		ī	11	2424		ACQ	ī
PKS231Ø-322		-31 57 49	FOS/RD	ACCUM	1.0	G27ØH	2753	ī	642	2424			ī
PKS231Ø-322		-31 57 49	FOS/BL	ACCUM	1.0	G13ØH	1379	_	2660	2424	_		ī
PKS231Ø-322		-31 57 49	FOS/RD	ACCUM	1.0	G19ØH	198ø		1752	2424			ī
NGC7582		3 -42 22 13	FOS/RD	ACCUM	ø.5	PRISM		ī	721	2711			ī
NGC7582		3 -42 22 13	FOS/RD	ACQ/BINA		MIRROR		ī	11	2711			ī
	_= == ==		,					-			_		_

Target	RA(2000) Dec(	Inst. (2000) Config	Operating . Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Су.	Spec. Req.	Total Lines
CASSIOPEIA-A-NE	23 23 32.9 58	49 53 WFC	IMAGE	ALL	F547M	5462	1	500	2417	1		1
CASSIOPEIA-A-NE	23 23 32.9 58	49 53 WFC	IMAGE	ALL	F5Ø2N	5Ø19		2500	2417	ī		ī
CASSIOPEIA-A-NE	23 23 32.9 58	49 53 WFC	IMAGE	ALL	F631N	63Ø7		2500	2417	ī		ī
CASSIOPEIA-A-NE		49 53 WFC	IMAGE	ALL	F656N	6559		2500	2417	ī		ī
CASSIOPEIA-A-NE			IMAGE	ALL	F673N	6727		2500	2417	î		ī
ABELL2597	23 25 19.7 -12	7 27 WFC	IMAGE	ALL	F439W	0,2,		3000	263Ø	ī		i
ABELL2597	23 25 19.7 -12	7 27 WFC	IMAGE	ALL	F23ØW			72ØØ	263Ø	î		1
ABELL2597	23 25 19.7 -12	7 27 WFC	IMAGE	ALL	F725LP			2000	2630	ī		i
NGC7674		46 44 FOS/RD	ACCUM	Ø.5	PRISM		î	721	2711	î		1
NGC7674			ACQ/BINA		MIRROR		ī	11	2711	ī		i
3C463		15 54 FOS/BL	ACQ/BINA		MIRROR		i	11	2424	3	ACQ	i
3C463	-	15 54 FOS/BL	ACCUM	1.0	G16ØL	1837	1	768	2424	3	ACQ	1
4C29.68	_	37 10 FOS/BL	ACQ/BINA		MIRROR	1037	1	11	2424	3	ACQ	1
4C29.68		37 10 FOS/BL	ACCUM			1027		768		_	ACU	
WD2326+Ø49	_	14 52 PC		1.0	G16ØL	1837	1	ø	2424	3		1
WD2326+Ø49		14 52 PC	IMAGE	P5	F555W		1	_	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P6	F336W		1	6	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD2326+Ø49			IMAGE	P7	F555W		1	Ø	2579	1		1
			IMAGE	P8	F439W		1	Ø	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P5	F336W		1	6	2579	1		1
WD2326+Ø49			IMAGE	P5	F439W		1	1	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P8	F336W		1	2	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P7	F785LP		1	2	2579	1		1
WD2326+Ø49			IMAGE	P6	F439W		1	1	2579	1		1
WD2326+Ø49			IMAGE	P7	F336W		1	5	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P7	F439W		1	1.	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P5	F785LP		1	2	2579	1		1
WD2326+Ø49		14 52 PC	IMAGE	P6	F785LP		1	2	2579	1		1
WD2326+Ø49			IMAGE	P8	F785LP		1	2	2579	1		1
G29-38		15 2 HRS	ACCUM	2.0	G14ØL	1288	_	1200	2593	2		1
ESO-2331-3622	23 34 27.0 -36	6 4 WFC	IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ES0-2331-3622	23 34 27.0 -36	6 4 WFC	IMAGE	ALL	F785LP		1	300	2775	1		1
PC2331+Ø216		33 22 WFC	IMAGE	ALL	F7Ø2W		1	200	235Ø	1		1
PC2331+Ø216		33 22 WFC	IMAGE	ALL	F7Ø2W		1	800	235Ø	1		1
ES0-2335-4800	23 37 49.5 -47		IMAGE	ALL	F555W		1	3ØØ	2775	1		1
ESO-2335-4800	23 37 49.5 -47		IMAGE	ALL	F785LP		1	300	2775	1		1
PKS234Ø-Ø36		22 27 F0S/BL	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PKS234Ø-Ø36		22 27 FOS/RD	ACQ/BINA		MIRROR		1	11	2424	3	ACQ	1
PKS234Ø-Ø36		22 27 F0S/BL	ACCUM	1.0	G16ØL	1837	1	558	2424	3		1
PK\$234Ø-Ø36		22 27 FOS/RD	ACCUM	1.0	G19ØH	198Ø	-	1356	2424	3		1
PKS234Ø-Ø36		22 27 FOS/RD	ACCUM	1.0	G27ØH	2753	1	365	2424	3		1
R-AQR-POS1	23 43 49.4 -15		ACCUM	Ø.25	G16ØM	155Ø	1	200	2342	1		1
R-AQR-POS1	23 43 49.4 -15		ACCUM	Ø.25	G14ØL	1685	1	300	2342	1		1
R-AQR-POS1	23 43 49.4 -15		ACCUM	Ø.25	G14ØL	1445	1	17Ø	2342	1		1
R-AQR-POS1		17 4 HRS	ACCUM	Ø.25	G14ØL	1175	1	22Ø	2342	1		1
R-AQR-POS2		17 4* HRS	ACCUM	Ø.25	G14ØL	1685	1	3ØØ	2342	1		. 1
R-AQR-POS2	23 43 49.5 -15		ACCUM	Ø.25	G14ØL	1445	1	17Ø	2342	1		1
R-AQR-P0S2	23 43 49.5 -15		ACCUM	Ø.25	G14ØL	1175	1	22Ø	2342	1		1
HD2228ØØ		17 4 FOC/48	SPEC	512X1Ø24-SLIT	F15ØW G15ØM	1500	1	27ØØ	2490	1		1
HD2228ØØ	23 43 49.5 -15	•	SPEC	512X1Ø24-SLIT	F3Ø5LP G45ØM	4500	1	1Ø19	2490	1		1
R-AQR-POS3	23 43 49.6 -15	17 2* HRS	ACCUM	2.0	G14ØL		1	28Ø	2342	1		1

### Fixed Targets

Target	RA (2000)		st. Operating nfig. Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
R-AQR-POS3	23 43 49.6	3 -15 17 2* HR	S ACCUM	2.0	G16ØM	155Ø	1	250	2342	1		1
R-AQR-POS3	23 43 49.6	-15 17 2* HR	S ACCUM	2.Ø	G14ØL	1445	1	200	2342	1		1
R-AQR-POS3	23 43 49.6	-15 17 2* HR	S ACCUM	2.0	G14ØL	1685	1	250	2342	1		1
R-AQR-POS4	23 43 49.7	' -15 16 58* HR	S ACCUM	2.0	G16ØM	155Ø	1	3Ø3	2342	1		1
R-AQR-POS4	23 43 49.7	' -15 16 58* HR	S ACCUM	2.Ø	G14ØL	1445	1	427	2342	1		1
R-AQR-POS4	23 43 49.7	' -15 16 58* HR	S ACCUM	2.Ø	G14ØL	1185	1	444	2342	1		1
WD2341+322	23 43 50.9	32 32 44 PC	IMAGE	P5	F555W	*	1	Ø	2579	1		1
WD2341+322	23 43 50.9	32 32 44 PC	IMAGE	P6	F555W		1	Ø	2579	1		1
WD2341+322	23 43 5Ø.9		IMAGE	P7	F555W		1	Ø	2579	1		1
WD2341+322	23 43 50.9	32 32 44 PC	IMAGE	P8	F336W		1	2	2579	1		1
WD2341+322	23 43 50.9	) 32 32 44 PC	IMAGE	P8	F439W		1	Ø	2579	1		1
WD2341+322	23 43 50.9	32 32 44 PC	IMAGE	P8	F555W		1	Ø	2579	1		1
WD2341+322	23 43 50.9	32 32 44 PC	IMAGE	P5	F439W		1	1	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P6	F336W		1	4	2579	1		1
WD2341+322	23 43 50.9		IMAGÉ	P6	F439W		1	1	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P <b>7</b>	F336W		1	4	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P7	F439W		1	1	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P5	F785LP		1	2	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P7	F785LP		1	2	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P8	F785LP		1	2	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P5	F336W		1	5	2579	1		1
WD2341+322	23 43 50.9		IMAGE	P6	F785LP		1	2	2579	1		1
PKS2344+Ø9	23 46 36.9		S/BL ACQ/BINA		MIRROR		1	11	2424	1	ACQ	1
PKS2344+Ø9	23 46 36.9		S/RD ACQ/BINA		MIRROR		1	8	2424	1	ACQ	1
PKS2344+Ø9	23 46 36.9		S/RD ACCUM	1.0	G27ØH	2753	1	6Ø6	2424	1		1
PKS2344+Ø9	23 46 36.9		S/RD ACCUM	1.0	G19ØH	198Ø	_	2Ø82	2424	1		1
PKS2344+Ø9	23 46 36.9		S/BL ACCUM	1.0	G16ØL	1837	1	821	2424	1		1
PKS2349-Ø1	23 51 56.0		S/BL ACCUM	1.0	G13ØH	1379		3Ø96	2424	1		1
PKS2349-Ø1	23 51 56.2		S/BL ACQ/BINA		MIRROR		1	8	2424	1	ACQ	1
4028.58	23 51 59.1		IMAGE	ALL	F492M			2300	2438	1		1
4C28.58	23 51 59.1		IMAGE	ALL	F7Ø2W			2300	2438	1		1
UM186	23 53 21.8		S/BL ACQ/BINA		MIRROR		1	11	2424	2	ACQ	1
UM186	23 53 21.8		S/RD ACQ/BINA		MIRROR	1007	1	11	2424	2	ACQ	1
UM186	23 53 21.8		S/BL ACCUM	1.0	G16ØL	1837	1	612	2424	2		1
UM186 UM186	23 53 21.8		S/RD ACCUM	1.0	G27ØH	2753	1	360	2424	2		1
PKS2352-342	23 53 21.8		S/RD ACCUM S/BL ACQ/BINA	1.0	G19ØH MIRROR	198Ø		1463	2424	2	1.00	1
PKS2352-342				4.3	MIRROR		1	11	2424	3	ACQ	1
PKS2352-342				1.0	G16ØL	1027	1	11	2424	3	ACQ	1 1
PKS2352-342			S/BL ACCUM S/RD ACCUM	1.0	G27ØH	1837 2753	1	63Ø 522	2424	3		1
PKS2352-342				1.0	G19ØH		1		2424	3		i
ES0-2355-3252		5 -33 57 57 FO 2 -32 35 30 WF		ALL	F555W	1980	1 1	1614 300	2424 2775	3		1
ES0-2355-3252	23 57 48.2			ALL	F785LP		1	300 300	2775	1		1
2356+179	23 59 22.7			ALL	F555W		1	500 500		1		1
2356+179	23 59 22.7			ALL	F555W		_	2000 2000	2350	1		i
2356+179	23 59 22.7			ALL	F785LP		1	2000 500	235Ø 235Ø	1		1
2356+179	23 59 22.7			ALL	F785LP		_	2000 2000		_		1
FOOTIIS	23 03 22.1	10 11 23 ML	TWVGE	MLL	I TOOLF		1	<b>といわり</b>	235Ø	1		_

## 4.6 SOLAR-SYSTEM TARGET OBSERVATIONS FOR GO PROGRAMS

Today Control

	Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Spec. Cy. Req.	Total Lines	
	BL-JUP-12DEGN-CM-FOS	(s)		F0S/BL	ACCUM	1.0	G19ØH		1	1Ø19	256ø	2	1	
>	-CYCL2 BL-JUP-15DEGN-CM-FOS -CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256ø	3	1	
	-BL-JUP-25DEGN-CM-FOS -CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUP-25DEGN-LIMB-F OS-CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUP-25DEGS-CM-FOS -CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-25DEGS-LIMB-F 0S-CYCL2	(S)		F0S/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-48DEGN-CM-FOS -CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	3	1	
1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	BL-JUP-48DEGN-LIMB-F OS-CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
8	BL-JUP-48DEGS-CM-FOS -CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	2	1	
	BL-JUP-48DEGS-LIMB-F OS-CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	2	1	
	BL-JUP-6DEGN-LIMB-F0 S-CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	.3	1	
	BL-JUP-8DEGS-CM-FOS- CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-BARGE-FOS-CYC L2	` '		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	2	1	
	BL-JUP-HILAT-CM-FOS- CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256ø	2	1	
-	BL-JUP-HILAT-CM-FOS- CYCL3	(S)		F0S/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	3	1	
	BL-JUP-HILAT-LIMB-FO S-CYCL2	` '		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-HILAT-LIMB-FO S-CYCL3	` ,		FOS/BL	ACCUM	1.0	G19ØH		,1	1019	256Ø	3	1	
	BL-JUP-NEBCON-FOS-CY CL3	• •		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUP-PLUME-FOS-CYC	• • •		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-PLUME-FOS-CYC L3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUP-RED-SPOT-FOS- CYCL2	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2	1	
	BL-JUP-RED-SPOT-FOS- CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUP-SEB-FOS-CYCL2			FOS/BL	ACCUM	1.Ø	G19ØH		1	1Ø19	256Ø	2	1	
	BL-JUP-SEB-FOS-CYCL3	(s)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3	1	
	BL-JUPITER-15DEGN-CM -FOS	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256ø 256ø	1	1	
	BL-JUPITER-20DEGN-CM -FOS	(S)	!	FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	1	1	
	BL-JUPITER-25DEGN-CM -FOS	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	1	1	

												•	U
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID		Spec. Req.	Total Lines
BL-JUPITER-25DEGN-LI MB-F0S	(\$)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256ø	1		1
BL-JUPITER-48DEGN-CM -FOS	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	1		1
BL-JUPITER-48DEGN-LI MB-FOS	<b>(</b> \$)		F0S/BL	ACCUM	1.0	G19ØH		1	1Ø19	256ø	1		1
BL-JUPITER-6DEGN-LIM B-FOS	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	1		1
BL-JUPITER-HILAT-CM- FOS	<b>(</b> S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	1		1
BL-JUPITER-HILAT-LIM B-FOS	(\$)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	1		1
BL-JUPITER-PLUME-FOS BL-JUPITER-RED-SPOT- FOS			FOS/BL FOS/BL	ACCUM ACCUM	1.0 1.0	G19ØН G19ØН		1	1019 1019	256Ø 256Ø	1		1 1
BL-JUPITER-SEB-FOS BL-SAT-75DEGN-CM-FOS -CYCL2	(\$) (\$)		FOS/BL FOS/BL	ACCUM ACCUM	1.0 1.0	G19ØH G19ØH		1	1Ø19 1Ø19	256Ø 256Ø	1 2		1
BL-SAT-75DEGN-LIMB-F OS-CYCL2	(\$)		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	2		1
BL-SAT-75DEGS-CM-FOS -CYCL3	(S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	3		1
BL-SAT-75DEGS-LIMB-F OS-CYCL3	• •		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3		1
BL-SAT-EQUATR-CM-FOS -CYCL2	<b>(</b> S)		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	2		1
BL-SAT-EQUATR-CM-FOS -CYCL3	• •		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	3		1
BL-SAT-EQUATR-LIMB-F OS-CYCL2	• •		FOS/BL	ACCUM	1.0	G19ØH		1	1Ø19	256Ø	2		1
BL-SAT-EQUATR-LIMB-F OS-CYCL3	• •		FOS/BL	ACCUM	1.0	G19ØH		1	1019	256Ø	3		1
CHARON-NORTH CHARON-SOUTH COMET-FAYE-1984XI	(S) (S) (S)		FOS/RD FOS/RD PC	ACCUM ACCUM IMAGE	Ø.3 Ø.3 ALL	G27ØH G27ØH F7Ø2W	27ØØ 27ØØ	_	0500 0500 5	2569 2569 2231	1 1 1		1 1 7
COMET-FAYE-1984XI	(s) (s)		PC	IMAGE	ALL	F517N		2	400	2231	1		1
COMET-FAYE-1984XI	(S)		PC ·	IMAGE	ALL	F7Ø2W		2	20	2231	1		6
COMET-FAYE-1984XI DEIMOS-E	(s)		PC FOS/BL	IMAGE ACCUM	ALL Ø.5	F7Ø2W PRISM	3675	4 1	2Ø 8Ø	2231 2435	1		1 2
DEIMOS-E	(s) (s)		FOS/BL	RAPID	Ø.5 Ø.5	PRISM	3675 3675	1	1426	2435	1		1
DEIMOS-E	(s)		FOS/BL	ACQ/BINA		MIRROR	0010	i	3	2435	ī	ACQ	ī
DEIMOS-W	(S)		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	8Ø	2435	1	•	2
DEIMOS-W	(s)		FOS/BL	RAPID	Ø.5	PRISM	3675	1	1426	2435	1		1
DEIMOS-W	(s)		FOS/BL	ACQ/BINA		MIRROR		1	3	2435	1	ACQ	1
HARTLEY-2	(s)		WFC	IMAGE	ALL	F791W		1	4	2481	1	ACQ	1
HARTLEY-2 Hartley-2	(S)		FOS/BL	ACQ/FIRM		MIRROR		1	20	2481	1	ACQ	15
HARTLEY-2	(s) (s)		FOS/RD FOS/BL	ACQ/FIRM ACCUM	4.3 1.0-PAIR	MIRROR G13ØH	1379	1 1	4 72Ø	2481 2481	1	ACQ	4 2
HARTLEY-2	(S)		FOS/BL	ACCUM	1.0-PAIR	G13ØH	1379	1	96ø	2481	1		3
HARTLEY-2	(S)		FOS/BL	ACCUM	1.0-PAIR	G19ØH	1944	i	72Ø	2481	i		2
HARTLEY-2	(S)		FOS/BL	ACCUM	1.Ø-PAIR	G19ØH	1944	ī	960	2481	_		3
HARTLEY-2	(s)		FOS/BL	ACCUM	1.Ø-PAIR	G27ØH	2769	1	120	2481			4

#### Solar System Targets

												Pu	65 55.
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
HARTLEY-2	<b>(</b> S)		F0S/BL	ACCUM	1.Ø-PAIR	G27ØH	2769		000	0401			_
HARTLEY-2	(S)		FOS/RD	ACCUM	1.Ø-PAIR	G27ØH		1	96Ø	2481	1		5
							2753	1	120	2481	1		2
HARTLEY-2	(S)		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH	4013	1	72Ø	2481	1		1
HARTLEY-2	(S)		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH	4Ø13	1	96Ø	2481	1		1
HARTLEY-2	(S)		FOS/RD	ACCUM	1.Ø-PAIR	G57ØH	5691	1	72Ø	2481	1		1
HARTLEY-2	(S)		FOS/RD	ACCUM	1.Ø-PAIR	G57ØH	5691	1	96Ø	2481	1		1
10	(S)		FOS/BL	IMAGE	4.3	G27ØH		1	4	26Ø2	1		1
10	(S)		FOS/BL	RAPID	4.3	G27ØH		1	1920	26Ø2	1		1
10	(S)		PC	IMAGE	P6	F718M	7120	1	Ø	2798	1		6
·10	(s)		FOS/BL	ACQ/PEAK	4.3	G27ØH		1	1	26Ø2	1	ACQ	1
10	(S)		PC '	IMAGE	P6	F368M	3577	1	4	2798	1		6
10	(s)		HRS	ACCUM	2.0	G14ØL	1336	32	6ø	26Ø2	ī		ĭ
IO-ACQ	(s)		FOS/BL	ACQ/PEAK		G19ØH		1	ø	2560	ī	ACQ	4
IO-ACQ	(s)		FOS/BL	ACQ/PEAK		G19ØH		ī	ø	2560	î	ACQ	2
IO-ACQ	(s)		FOS/RD	ACQ/PEAK		G27ØH		ī	ø	256Ø	î	ACQ	4
IO-ACQ	(š)		FOS/RD	ACQ/PEAK		G27ØH		ī	ø	256Ø	i	ACQ	2
IO-ACQ	(š)		FOS/BL	ACQ/PEAK		G19ØH		i	ø	2560	2	ACQ	4
IO-ACQ	(S)		FOS/BL	ACQ/PEAK		G19ØH		1	ø	2560	2		2
IO-ACQ	(S)		FOS/RD	ACQ/PEAK		G27ØH		_				ACQ	
IO-ACQ	(S)		FOS/RD	ACQ/PEAK		G27ØH		1	Ø	2560	2	ACQ	4
•				•••				1	Ø	2560	2	ACQ	2
IO-ACQ	(S) (S)		FOS/BL	ACQ/PEAK		G27ØH		1	Ø	2560	3	ACQ	4
IO-ACQ	(S)		FOS/BL	ACQ/PEAK		G27ØH		1	Ø	256Ø	3	ACQ	2
IO-ACQ			FOS/RD	ACQ/PEAK		G27ØH		1	Ø	2560	3	ACQ	4
IO-ACQ	(s)		FOS/RD	ACQ/PEAK		G27ØH	1000	1	Ø	2560	3	ACQ	2
IO-TORUS-W	(S)		HRS HRS	ACCUM	2.0	G14ØL	1322	5	360	2627	1		1
IO-TORUS-W	(S)			ACCUM	2.0	G14ØL	1597	5	36Ø	2627	1		1
IO-TORUS-W	(s)		HRS	ACCUM	2.0	G27ØM	2469	5	36Ø	2627	1		1
IO-TORUS-W	(S)		WFC	IMAGE	ANY	F673N	6731	1	42Ø	2627	1		1
IO-W	(S)		PC	IMAGE	ANY	F569W	532Ø	1	Ø	2627	1		1
IO-W	(S)		HRS	RAPID	2.0	G2ØØM	1910		2400	2627	1		1
IO-W	(s)		HRS	ACCUM	2.0	G14ØM	1298	8	3ØØ	2627	1		1
IO-W	(S)		HRS	RAPID	2.0	G14ØL	1322		2400	2627	1		1
IO-W	(S)		HRS	RAPID	2.0	G14ØL	1602		2400	2627	1		1
IO-W	(s)		HRS	RAPID	2.0	G2ØØM	1817		2400	2627	1		1
JUPITER	(S)		PC	IMAGE	ALL	F569W	5320	1	Ø	2625	1		1
JUPITER	(S)		WFC	IMAGE	W1	F368M	3684	1	3	2564	1		4
JUPITER	(s)		WFC	IMAGE	W2	F889N	8888	1	7	2564	1		6
JUPITER	(S)		WFC	IMAGE	W3	F336W	3371	1	3	2564	1		6
JUPITER	(S)		WFC	IMAGE	W1	F368M	3684	1	3	2564	2		4
JUPITER	(S)		WFC	IMAGE	W2.	F889N	8888	1	7	2564	2		6
JUPITER	(S)		WFC	IMAGE	W3	F336W	3371	1	3	2564	2		6
JUPITER	(S)		WFC	IMAGE	W1	F368M	3684	1	. 3	2564	3		4
JUPITER	(S)		WFC	IMAGE	<b>W2</b>	F889N	8888	1	7	2564	3		6
JUPITER	(s)		WFC	IMAGE	W3	F336W	3371	1	3	2564	3		6
JUPITER	(S)		WFC	IMAGE	W1	F284W	2866	1	23	2564	1		6
JUPITER	(S)		WFC	IMAGE	W1	F284W	2866	. 1	23	2564	2		6
JUPITER	(s)		WFC	IMAGE	W1	F284W	2866	1	23	2564	3		6
JUPITER	(S)		WFC	IMAGE	W2	F413M	4Ø98	1	Ø	2564	1		4
JUPITER	(S)		WFC	IMAGE	W3	F656N	6559	1	2	2564	1		6
JUPITER	(s)		WFC	IMAGE	W2	F413M	4098	1	Ø	2564	2		4
JUPITER	(s)		WFC	IMAGE	W3	F656N	6559	1	2	2564	2		6
JUPITER	(s)		WFC	IMAGE	W2	F413M	4Ø98	1	ø	2564	3		4
	• •								-	- •	-		

			<b>.</b> .						_		_	
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp	Exp. Time	ID	Spec. Cy. Req.	Total Lines
, gov	(	000 (2000)	com rg.	MOGG	Aper our e	Liemono	navo.	LAP.	111110	10	cy. Meq.	Lilles
JUPITER	<b>(</b> \$)		WFC	THACE	wo	ERERN	REEO	4		0504	3	•
JUPITER	(S)		HRS	IMAGE ACCUM	W3 2.Ø	F656N G14ØL	6559 1332	1 5	2 596	2564 2625	3 1	6
JUPITER	(s)		HRS					5			_	1
JUPITER-PC-CYCL1	(S)			ACCUM	2.0	G14ØL	1593	_	596	2625	1	1
			PC	IMAGE	ALL	F413M		1	Ø	2560	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F718M		1	Ø	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F718M		1	4	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F889N		1	9Ø	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F23ØW		1	120	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F284W		1	110	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F336W		1	2	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F413M		1	8	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F631N		1	13	256Ø	1	6
JUPITER-PC-CYCL1	(S)		PC	IMAGE	ALL	F336W		1	1	256Ø	1	6
JUPITER-PC-CYCL2	(S)		PC	IMAGE	ALL	F413M		1	Ø	256Ø	2	6
JUPITER-PC-CYCL2	(S)		PC	IMAGE	ALL	F718M		1	Ø	256Ø	2	6
JUPITER-PC-CYCL2	(S)		PC	IMAGE	ALL	F718M		1	4	2560	2	6
JUPITER-PC-CYCL2	(s)		PC	IMAGE	ALL	F889N		ī	9Ø	256Ø	2	6
JUPITER-PC-CYCL2	(s)		PC	IMAGE	ALL	F23ØW		ī	120	2560	2	6
JUPITER-PC-CYCL2	(š)		PC	IMAGE	ALL	F284W		i	110	256Ø	2	8
JUPITER-PC-CYCL2	(š)		PC	IMAGE	ALL	F336W		i	2	256Ø	2	6
JUPITER-PC-CYCL2	(s)		PC	IMAGE		F413M		i	8	2560	2	-
JUPITER-PC-CYCL2			PC		ALL				_			6
	(S)			IMAGE	ALL	F631N		1	13	2560	2	6
JUPITER-PC-CYCL2	(S)		PC	IMAGE	ALL	F336W		1	1	2560	2	6
JUPITER-PC-CYCL3	(s)		PC	IMAGE	ALL	F413M		1	Ø	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F718M		1	Ø	258Ø	· 3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F718M		1	4	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F889N		1	9Ø	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F23ØW		1	120	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F284W		1	110	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F336W		1	2	2560	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F413M		1	8	256Ø	- 3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F631N		1	13	256Ø	3	6
JUPITER-PC-CYCL3	(S)		PC	IMAGE	ALL	F336W		1	1	2560	3	6
MARS	(s)		HRS	ACCUM	2.0	ECH-A	1215	6	6ØØ	2393	· i	ĭ
MARS	(s)		HRS	ACCUM	2.0	ECH-A	1215	9	600	2393	ī	ī
MARS	(s)		HRS	ACCUM	2.0	ECH-A	1215	ĭ	480	2393	î	i
MARS-C1-CLOUDS-LON1			PC	IMAGE	P7	F413M	1210	i	ø	2379	i	i
5	.0 (0)			IMAGE	1.7	1 713M		•	D	2313	1	+
MARS-C1-CLOUDS-LON1	.8 (S)		PC	IMAGE	P7	F673N		1	ø	2379	1	1
5	• •		_					_	_		_	_
MARS-C1-CLOUDS-LON2	.8 (S)		PC	IMAGE	P7	F336W		1	Ø	2379	1	1
MARS-C1-CLOUDS-LON2	8 (S)		PC	IMAGE	P7	F413M		1	Ø	2379	•	
5	.0 (3)		rc	IMAGE	F1	LATOM		1	Ð	2319	1	1
MARS-C1-CLOUDS-LON2	(S) 8:		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	1	1
MARS_C1_CLOUDS_LONG	00 (6)		D.C	THACE	0.7	Engaw			100	0270		•
MARS-C1-CLOUDS-LON2 5	28 (S)		PC	IMAGE	P7	F23ØW		1	120	2379	1	1
MARS-C1-CLOUDS-LON2	8 (S)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
5	* -											
MARS-C1-CLOUDS-LON4			PC	IMAGE	P7	F413M		1	Ø	2379	1	1
MARS-C1-CLOUDS-LON4			PC	IMAGE	P7	F673N		1	Ø	2379		1
	` '				=	·		-	-			_

#### Solar System Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
MARS-C1-LSØ-LON3ØØ	<b>(</b> S)		PC	IMAGE	P7	F413M		1	ø	2379	1	1
MARS-C1-LSØ-LON3ØØ	(s)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	1	1
MARS-C1-LSØ-LON3ØØ	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
MARS-C1-LS2Ø-LON3ØØ	(S)		PC	IMAGE	P7	F336W	•	1	Ø	2379	1	1
MARS-C1-LS20-LON300	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	1	1
MARS-C1-LS20-LON300	(S)		PC	IMAGE	P7	F23ØW		1	120	2379	1	1
MARS-C1-LS2Ø-LON3ØØ	(s)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
MARS-C1-LS20-LON300	(s)		FOS/RD	RAPID	Ø.1-PAIR	G27ØH	2800	1	375	2379	1	1
MARS-C1-LS40-LON300	(s)		PC	IMAGE	P7	F413M		1	Ø	2379	1	1
MARS-C1-LS40-LON300	(s)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	1	1
0N15Ø												
MARS-C1-OPPOSITION-L ON15Ø	(\$)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	1	1
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
0N15Ø	(-)				• •			•	•	20.0	•	•
MARS-C1-OPPOSITION-L	(S)		FOS/RD	RAPID	Ø.1-PAIR	G27ØH	2800	1	600	2379	1	1
0N15Ø	(-)			*****			2000	•	000		•	•
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F336W		1	Ø	2379	1	1
0N27Ø	<b>\-</b> /				• •			-	_		•	_
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	1	1
0N27Ø	\ \-\			<del>-</del>				-	_		-	_
MARS-C1-OPPOSITION-L	<b>(</b> \$)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	1	1
0N27Ø	(-)				• •			-	•		-	-
MARS-C1-OPPOSITION-L	<b>(</b> S)		PC	IMAGE	P7	F23ØW		1	120	2379	1	1
0N27Ø	<b>\-</b> /		-			77.77		_			_	_
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
0N27Ø	(-)		,					-	-		-	_
MARS-C1-OPPOSITION-L	<b>(</b> \$)		PC	IMAGE	P7	F336W		1	Ø	2379	1	1
0N3Ø			-						_		_	_
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	1	1
0N3Ø	<b>\-</b> /			<del></del>				_	_		_	_
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	1	1
ON3Ø					• •			-	•		-	-
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F23ØW		1	12Ø	2379	1	1
0N3Ø	(-)			<del></del>				_			-	_
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F588N		1	Ø	2379	1	1
0N3Ø	<b>(-)</b>							_	_		_	
MARS-C1-OPPOSITION-L	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	1	1
0N3Ø	` '			•				_	=		_	
MARS-C1-OPPOSITION-L	<b>(</b> \$)		PC	IMAGE	P7	F889N		1	Ø	2379	1	1
0N3Ø	(-)							_	-		-	_
MARS-C2-DUST1-LON31Ø	<b>(S)</b>		PC	IMAGE	P7	F336W		1	Ø	2379	2	1
MARS-C2-DUST1-L0N31Ø	, ,		PC	IMAGE	P7	F413M		ĩ	ø	2379	2	ī
MARS-C2-DUST1-LON31Ø			PC	IMAGE	P7	F5Ø2N		1	ø	2379	2	1
MARS-C2-DUST1-LON31Ø	(S)		PC	IMAGE	P7	F23ØW		ī	120	2379	2	ī
MARS-C2-DUST1-LON31Ø			PC	IMAGE	P7	F673N		ī	Ø	2379	2	ī
MARS-C2-DUST1-LON8Ø	(s)		PC	IMAGE	P7	F413M		ī	ø	2379	2	ī
MARS-C2-DUST1-LON8Ø	(s)		PC	IMAGE	P7	F673N		î	ø	2379	2	ī
MARS-C2-DUST2-LON31Ø			PC	IMAGE	P7	F336W		ī	ø	2379	2	ī
MARS-C2-DUST2-LON31Ø			PC	IMAGE	P7	F413M		i	Ø	2379	2	ī
MARS-C2-DUST2-LON31Ø			PC	IMAGE	P7	F23ØW		i	120	2379	2	i
	(-)			<i>,</i> - <u>-</u>	- <del>-</del>	·		•		_5.5	-	-

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
MARS-C2-DUST2-LON310			PC	IMAGE	P7	F673N		1	ø	2379	2	1
MARS-C2-DUST2-LON8Ø	(s)		PC	IMAGE	P7	F413M		1	Ø	2379	2	ī
MARS-C2-DUST2-LON8Ø	(s)		PC	IMAGE	P7	F673N		1	Ø	2379	2	ĩ
MARS-C2-DUST3-LON31Ø			PC	IMAGE	P7	F336W		1	Ø	2379	2	ī
MARS-C2-DUST3-LON310			PC	IMAGE	P7	F413M		ī	ø	2379	2	î
MARS-C2-DUST3-LON31Ø			PC	IMAGE	P7	F23ØW		ī	12ø	2379	2	i
MARS-C2-DUST3-LON31Ø			PC	IMAGE	P7	F673N		i	Ø	2379	2	
MARS-C2-DUST3-LON31Ø			FOS/RD	RAPID	Ø.1-PAIR	G27ØH	2800	i	330	2379	2	1
MARS-C2-DUST3-LON8Ø	(s)		PC				2000	i				1
	(3)			IMAGE	P7	F413M		_	Ø	2379	2	1
MARS-C2-DUST3-LON8Ø	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	2	1
MARS-C2-REPEAT-LON15	• •		PC	IMAGE	P7	F413M		1	Ø	2379	2	1
MARS-C2-REPEAT-LON15	•		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	2	1
MARS-C2-REPEAT-LON15	( <u>\$</u> )		PC	IMAGE	P7	F673N		1	Ø	2379	2	1
MARS-C2-REPEAT-LON15	(\$)		FOS/RD	RAPID	Ø.1-PAIR	G27ØH	2800	1	375	2379	2	1
MARS-C2-REPEAT-LON27	(\$)		PC	IMAGE	P7	F336W		1	Ø	2379	2	1
MARS-C2-REPEAT-LON27	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	2	1
MARS-C2-REPEAT-LON27	<b>(</b> \$)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	2	1
MARS-C2-REPEAT-LON27	(S)		PC	IMAGE	P7	F23ØW		1	12Ø	2379	2	1
MARS-C2-REPEAT-LON27	(S)		PC	IMAGE	P7	F673N	٠	1	Ø	2379	2	1
MARS-C2-REPEAT-LON3Ø	(S)		PC	IMAGE	P7	F336W		1	Ø	2379	2	1
MARS-C2-REPEAT-LON3Ø	(s)		PC	IMAGE	P7	F413M		1	Ø	2379	2	ī
MARS-C2-REPEAT-LON3Ø			PC	IMAGE	P7	F5Ø2N		1	Ø	2379	2	ī
MARS-C2-REPEAT-LON3Ø			PC	IMAGE	P7	F23ØW		1	120	2379	2	ī
MARS-C2-REPEAT-LON3Ø			PC	IMAGE	P7	F588N		1	Ø	2379	2	ī
MARS-C2-REPEAT-LON3Ø			PC	IMAGE	P7	F673N		1	Ø	2379	2	ĭ
MARS-C2-REPEAT-LON3Ø			PC	IMAGE	P7	F889N		1	Ø	2379	2	ī
MARS-C3-CLOUDS1-LON1			PC	IMAGE	P7	F336W		1	Ø	2379	3	ī
65 MARS-C3-CLOUDS1-LON1	(S)		PC	IMAGE	P7	F413M		1	ø	2379	3	1
65 MARS-C3-CLOUDS1-LON1			PC	IMAGE	P7	F23ØW		1	120	2379	3	1
65	(0)			21111102	• •	. 20011		•	120		J	•
MARS-C3-CLOUDS1-LON1	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-CLOUDS1-LON2 85	<b>(</b> \$)		PC	IMAGE	P7	F336W	÷	1	Ø	2379	3	1
MARS-C3-CLOUDS1-LON2 85	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-CLOUDS1-LON2 85	<b>(</b> \$)		PC	IMAGE	P7	F23ØW		1	12Ø	2379	3	1
MARS-C3-CLOUDS1-LON2 85	<b>(</b> S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-CLOUDS1-LON4	(\$)	ĺ	PC	IMAGE	P7	F336W		1	Ø	2379	3	1

Solar System Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
MARS-C3-CLOUDS1-LON4	(S)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-CLOUDS1-LON4	<b>(</b> S)		PC	IMAGE	P7	F23ØW		1	120	2379	3	1
MARS-C3-CLOUDS1-LON4	<b>(</b> S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-CLOUDS2-LON1	<b>(</b> S)		PC	IMAGE	P7	F336W		1	Ø	2379	3	1
MARS-C3-CLOUDS2-LON1	(s)		PC	IMAGE	P7	F413M		1	Ø	2379	3	· <b>1</b>
MARS-C3-CLOUDS2-LON1	(S)		PC	IMAGE	P7	F23ØW		1	120	2379	3	1
MARS-C3-CLOUDS2-LON1	<b>(</b> S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-CLOUDS2-LON3	(S)		PC	IMAGE	P7	F336W		1	Ø	2379	3	1
MARS-C3-CLOUDS2-LON3	<b>(</b> S)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-CLOUDS2-LON3	(S)		PC	IMAGE	P7	F23ØW		1	120	2379	3	1
MARS-C3-CLOUDS2-LON3	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON150	. <b>(</b> S)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON15Ø	. <b>(</b> S)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON150	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L	. <b>(</b> S)		FOS/RD	RAPID	Ø.1-PAIR	G27ØH	28ØØ	1	600	2379	3	1
MARS-C3-OPPOSITION-L ON270	(S)		PC	IMAGE	P7	F336W		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON27Ø	. <b>(</b> S)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON27Ø	(S)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON27Ø	(S)		PC	IMAGE	P7	F23ØW		1	120	2379	3	1
MARS-C3-OPPOSITION-L ON27Ø	(S)		PC.	IMAGE	P7	F673N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L	. <b>(</b> S)		PC	IMAGE	P7	F336W		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON3Ø	. <b>(S)</b>		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON3Ø	(S)		PC	IMAGE	P7	F5Ø2N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON3Ø	(s)		PC	IMAGE	P7	F23ØW		1	12Ø	2379	3	1
MARS-C3-OPPOSITION-L ON3Ø	(S)		PC	IMAGE	P7	F588N		1	Ø	2379	3	1
MARS-C3-OPPOSITION-L ON3Ø	(s)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Req	
MARS-C3-OPPOSITION-L	<b>(</b> S)		PC	IMAGE	P7	F889N		1	Ø	2379	3	1
MARS-C3-REPEAT-LON3Ø	<b>(</b> \$)		PC	IMAGE	P7	F413M		1	Ø	2379	3	1
Ø MARS-C3-REPEAT-LON3Ø	(S)		PC	IMAGE	P7	F673N		1	Ø	2379	3	1
Ø Mars-geocorona	(S)		HRS	ACCUM	2.0	ECH-A	1215	1	46Ø	2393	1	1
NEPTUNE	(s)		PC	IMAGE	P6	F889N	8888	1	900	2564	1	2
NEPTUNE	(S)		PC	IMAGE	P8	F284W	2866	1	300	2564	1	2
NEPTUNE	(S)		PC	IMAGE	P8	F336\	3371	1	6Ø	2564	1	2
NEPTUNE	(s)		PC	IMAGE	P8	F368M	3684	1	60	2564	1	2
NEPTUNE	(s)		PC	IMAGE	P6	F889N	8888	1	9ØØ	2564	2	2
NEPTUNE	(S)		PC	IMAGE	P8	F284W	2866	1	300	2564	2	2
NEPTUNE	(S)		PC	IMAGE	P8	F336W	3371	1	6Ø	2564	2	2
NEPTUNE	(s)		PC	IMAGE	P8	F368M	3684	1	6Ø.	2564	2	2
NEPTUNE	(s)		PC	IMAGE	P6	F889N	8888	1	900	2564	3	2
NEPTUNE	(S)		PC	IMAGE	P8	F284W	2866	1	3ØØ	2564	3	2
NEPTUNE	(S)		PC	IMAGE	P8	F336W	3371	1	6Ø	2564	3	2
NEPTUNE	(S)		PC	IMAGE	P8	F368M	3684	1	60	2564	3	2
NEPTUNE	(s)		PC	IMAGE	P8	F413M	4Ø98	1	35	2564	1	2
NEPTUNE	(s)		PC	IMAGE	P8	F656N	6559	1	35Ø	2564	1	2
NEPTUNE	(s)		PC	IMAGE	P8	F413M	4Ø98	1	35	2564	2	2
NEPTUNE	(s)		PC	IMAGE	P8	F656N	6559	1	35Ø	2564	2	2
NEPTUNE	(s)		PC	IMAGE	P8	F413M	4098	1	35	2584	3	2
NEPTUNE	(s)		PC	IMAGE	P8	F656N	6559	1	35Ø	2564	3	2
PHOBOS-E	(s)		FOS/BL	ACQ/BINA	4.3	MIRROR		1	. 1	2435	1 ACQ	
PH0B0S-E	(s)		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	3Ø	2435	1	2
PHOBOS-E	(s)		FOS/BL	RAPID	Ø.5	PRISM	3675	1	518	2435	ī	1
PHOBOS-W	(s)		FOS/BL	ACQ/BINA	4.3	MIRROR		1	1	2435	1 ACQ	1
PHOBOS-W	(s)		FOS/BL	ACCUM	Ø.5	PRISM	3675	1	3Ø	2435	1	2
PHOBOS-W	(s)		FOS/BL	RAPID	Ø.5	PRISM	3675	1	518	2435	1	1
PLUTO	(s)		PC	IMAGE	P6	F875M		ī	120	253Ø	<u>1</u>	9
PLUTO	(s)		PC	IMAGE	P6	F889N		ī	420	253Ø	ī	9
PLUTO	(s)		F0C/288	IMAGE	512X512	F253M			1800	253Ø	ī	9
PLUTO	(s)		F0C/288		512X512	F41ØM		ī	240	2530	ī	9
PLUT0-112	(s)		FOS/RD	ACQ/PEAK	4.3	MIRROR		ī	Ø	2569	1 ACQ	i
PLUT0-112	(š)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	_	174ø	2569	1	ī
PLUT0-112	(s)		FOS/RD	ACCUM	Ø.3	G57ØH	5700	ī	9ø	2569	ī	ī
PLUT0-112	(š)		FOS/RD	ACCUM	Ø.3	G27ØH	2700		1740	2569	ī	ī
PLUT0-112	(s)		FOS/RD	ACQ/PEAK		MIRROR	2.00	ī	ø	2569	1 ACQ	
PLUT0-157	(š)		FOS/RD	ACQ/PEAK	4.3	MIRROR		ī	ø	2569	1 ACQ	
PLUT0-157	(S)		FOS/RD	ACCUM	Ø.3	G19ØH	2000		174Ø	2569	1	î
PLUT0-157	(S)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	î	90	2569		i
PLUT0-157	(S)		FOS/RD	ACCUM	Ø.3	G27ØH	27ØØ		1740	2569	i	i
PLUT0-157	(S)		FOS/RD	ACQ/PEAK		MIRROR	2100	i	9	2569		
	(S)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569		
PLUT0-202				ACCUM	Ø.3	G19ØH	oaaa		174Ø	2569		1
PLUT0-202	(S)		FOS/RD		Ø.3 Ø.3		2000				1	1
PLUT0-202	(S)		FOS/RD	ACCUM		G57ØH	57ØØ	1	90	2569		
PLUT0-202	(s)		FOS/RD	ACCUM	Ø.3	G27ØH	2700		1740	2569		1
PLUT0-202	(s)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569	1 ACG	
PLUTO-22	(S)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569		
PLUT0-22	(S)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	1	1740	2569	1	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy .	Spec. Req.	Total Lines
PLUT0-22	<b>(</b> \$)		FOS/RD	ACCUM	Ø.3	G57ØH	5700	1	9ø	2569	1		1
PLUT0-22	(š)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	ī	1740	2569	ī		î
PLUTO-22	(š)		FOS/RD	ACQ/PEAK		MIRROR	2.55	ī	ø	2569	ī	ACQ	ī
PLUT0-247	(ší		FOS/RD	ACQ/PEAK		MIRROR		ī	ø	2569	ī	ACQ	î
PLUT0-247	(š)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	_	1740	2569	ī	ned	ī
PLUT0-247	(š)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	i	9Ø	2569	ī		i
PLUT0-247	(s)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	î	1740	2569	ī		i
PLUT0-247	(8)		FOS/RD	ACQ/PEAK		MIRROR	2100	ī	Ø	2569	ī	ACQ	i
PLUT0-247-Q	(s) (s)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	ī	1740	2569	ī	ned	i
PLUT0-247-Q	(s)		FOS/RD	ACQ/PEAK		MIRROR	2000	î	ø	2569	ī	ACQ	i
PLUT0-247-Q	(s)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	1	9Ø	2569	ī	ACQ	i
PLUT0-247-Q	(S)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	1	1740	2569	ī		1
PLUT0-247-Q	(3)		FOS/RD	ACQ/PEAK		MIRROR	2100	1	9	2569	1	ACQ	1
PLUT0-292	(s) (s)		FOS/RD			MIRROR		1	ø	2569	1	ACQ	
PLUT0-292	(S)			ACQ/PEAK ACCUM	Ø.3	G19ØH	2000	i	1740	2569	1	ACQ	1 1
PLUT0-292	(3)		FOS/RD				57ØØ	i	90	2569	1		
PLUT0-292	(s) (s)		FOS/RD	ACCUM	Ø.3	G57ØH	27ØØ	1	1740	2569			1
PLUT0-292	(3)		FOS/RD	ACCUM	Ø.3	G27ØH	2100	1	1740 Ø		1	400	1
PLUT0-337	(s) (s)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569 2569	1	ACQ	1
PLUTO-337	(S)		FOS/RD	ACQ/PEAK		MIRROR	2000	1	1740	2569	1	ACQ	1
PLUT0-337	(3)		FOS/RD	ACCUM	Ø.3	G19ØH		_			_		1
PLUT0-337	(s) (s)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	1	90	2569	1		. 1
PLUT0-337	(3)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	-	1740	2569	1	100	1
	(s) (s)		FOS/RD	ACQ/PEAK		MIRROR	ogga	1	9	2569	1	ACQ	1
PLUTO-337-Q	(S)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	1	1740	2569	1	4.00	1
PLUTO-337-Q	(3)		FOS/RD	ACQ/PEAK		MIRROR	5700	1	Ø	2569	1	ACQ	1
PLUTO-337-Q	(s) (s)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	1	90	2569	1		1
PLUTO-337-Q	(S)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	1	1740	2569	1	400	1
PLUTO-337-Q	(S) (S)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569	1	ACQ	1
PLUTO-67	(3)		FOS/RD	ACQ/PEAK		MIRROR	0000	1	9	2569	1	ACQ	1
PLUTO-67	(s)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	1	1740	2569	1		1
PLUTO-67	(s)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	1	90	2569	1		1
PLUTO-67	(s)		FOS/RD	ACCUM	Ø.3	G27ØH	2700	1	1740	2569	1	4.00	1
PLUTO-67	(s) (s)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569	1	ACQ	1
PLUTO-67-Q	(3)		FOS/RD	ACQ/PEAK		MIRROR	0000	1	Ø	2569	1	ACQ	1
PLUTO-67-Q	(s)		FOS/RD	ACCUM	Ø.3	G19ØH	2000	1	174Ø	2569	1		1
PLUTO-87-Q	(s)		FOS/RD	ACCUM	Ø.3	G57ØH	57ØØ	1	90	2569	1		1
PLUTO-67-Q	(s)		FOS/RD	ACCUM	Ø.3	G27ØH	27ØØ	1	1740	2569	1	4.00	1
PLUTO-67-Q	(s)		FOS/RD	ACQ/PEAK		MIRROR		1	Ø	2569	1	ACQ	1
RD-JUP-12DEGN-CM1-FC	) (s)		FOS/RD	ACCUM	1.0	G27ØH		1	ЗØ	256Ø	2		1
SA-CYCL2 RD-JUP-12DEGN-CM1-FC SB-CYCL2	(s)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2		1
RD-JUP-12DEGN-CM1-FC SC-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2		1
RD-JUP-12DEGN-CM2-FC S-CYCL2	) (S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256ø	2		1
RD-JUP-15DEGN-CM1-FC SA-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3		1
RD-JUP-15DEGN-CM1-FC SB-CYCL3	(s)		F0S/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3		1
RD-JUP-15DEGN-CM1-FC SC-CYCL3	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3		1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Spec. Cy. Req.	Total Lines
RD-JUP-15DEGN-CM2-F0	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
S-CYCL3 RD-JUP-20DEGN-CM1-F0	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SA-CYCL3 RD-JUP-2ØDEGN-CM1-F0	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SB-CYCL3 RD-JUP-2ØDEGN-CM1-FO	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SC-CYCL3 RD-JUP-2ØDEGN-CM2-F0	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
S-CYCL3 RD-JUP-25DEGN-CM1-F0	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SA-CYCL3			FOS/RD	ACCUM								
RD-JUP-25DEGN-CM1-F0 SB-CYCL3			•		1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-25DEGN-CM1-F0 SC-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-25DEGN-CM2-F0 S-CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-25DEGN-LIMB1-	(s)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
FOSA-CYCL3 RD-JUP-25DEGN-LIMB1-	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
FOSB-CYCL3 RD-JUP-25DEGN-LIMB1-	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
FOSC-CYCL3 RD-JUP-25DEGN-LIMB2-	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
FOS-CYCL3 RD-JUP-25DEGS-CM1-FO	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
SA-CYCL2 RD-JUP-25DEGS-CM1-F0	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
SB-CYCL2 RD-JUP-25DEGS-CM1-F0	` '		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
SC-CYCL2 RD-JUP-25DEGS-CM2-F0			FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	2560	2	1
S-CYCL2								1				
RD-JUP-25DEGS-LIMB1- FOSA-CYCL2	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-25DEGS-LIMB1- FOSB-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-25DEGS-LIMB1- FOSC-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-25DEGS-LIMB2-	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	258Ø	2	1
FOS-CYCL2 RD-JUP-48DEGN-CM1-FO	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SA-CYCL3 RD-JUP-48DEGN-CM1-F0	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SB-CYCL3 RD-JUP-48DEGN-CM1-FO	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
SC-CYCL3 RD-JUP-48DEGN-CM2-F0			FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
S-CYCL3 RD-JUP-48DEGN-LIMB1- FOSA-CYCL3			FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø		1

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Target	RA(2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Spec. Cy. Req.	Total Lines
RD-JUP-48DEGN-LIMB1- FOSB-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-48DEGN-LIMB1- FOSC-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-48DEGN-LIMB2- FOS-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-48DEGS-CM1-FO SA-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-48DEGS-CM1-F0 SB-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-48DEGS-CM1-F0 SC-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH	4	1	3Ø	256ø	2	1
RD-JUP-48DEGS-CM2-F0 S-CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	2560	2	1
RD-JUP-48DEGS-LIMB1- FOSA-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	2	1
RD-JUP-48DEGS-LIMB1- FOSB-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-48DEGS-LIMB1- FOSC-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	2	1
RD-JUP-48DEGS-LIMB2- FOS-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-6DEGN-LIMB1-F OSA-CYCL3	(S)	1	FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-6DEGN-LIMB1-F OSB-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-6DEGN-LIMB1-F OSC-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-6DEGN-LIMB2-F OS-CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-6DEGS-CM1-FOS A-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-CM1-FOS B-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-CM1-FOS C-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-CM2-FOS -CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-6DEGS-LIMB1-F OSA-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-LIMB1-F OSB-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-LIMB1-F OSC-CYCL2	(S)		FOS/RD	ACÇUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-6DEGS-LIMB2-F OS-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-BARGE1-F0SA-C YCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	2	. 1
RD-JUP-BARGE1-F0SB-C YCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-BARGE1-F0SC-C YCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
RD-JUP-BARGE2-F0S-CY	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
CL2 RD-JUP-HILAT-CM1-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
A-CYCL2 RD-JUP-HILAT-CM1-FOS	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
A-CYCL3 RD-JUP-HILAT-CM1-FOS B-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	258Ø	2	1
RD-JUP-HILAT-CM1-FOS B-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-HILAT-CM1-FOS C-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-HILAT-CM1-FOS C-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-HILAT-CM2-FOS -CYCL2	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-HILAT-CM2-FOS -CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-HILAT-LIMB1-F OSA-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-HILAT-LIMB1-F OSA-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-HILAT-LIMB1-F OSB-CYCL2	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-HILAT-LIMB1-F OSB-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-HILAT-LIMB1-F OSC-CYCL2	<b>(</b> \$)	4	FOS/RD	ACCUM	1.0	G27ØH		1	ЗØ	258Ø	2	1
RD-JUP-HILAT-LIMB1-F OSC-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-HILAT-LIMB2-F OS-CYCL2	(S)	·	FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-HILAT-LIMB2-F OS-CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-NEBCON1-FOSA-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-NEBCON1-FOSB-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-NEBCON1-FOSC-CYCL3	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-NEBCON2-FOS-C YCL3	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-PLUME1-F0SA-C YCL2	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-PLUME1-F0SA-C YCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-PLUME1-FOSB-C YCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-PLUME1-F0SB-C YCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-PLUME1-FOSC-C YCL2	(S)	ı	FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1

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RD-JUP-PLUME1-FOSC-C	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	3	1
RD-JUP-PLUME2-F0S-CY	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH	•	1	57Ø	256ø	2	1
RD-JUP-PLUME2-F0S-CY	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-RED-SP0T1-F0S A-CYCL2	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-RED-SPOT1-FOS A-CYCL3	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	3	1
RD-JUP-RED-SPOT1-FOS B-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	2560	2	1
RD-JUP-RED-SPOT1-FOS B-CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	3	1
RD-JUP-RED-SP0T1-F0S C-CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-RED-SPOT1-FOS C-CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	3	1
RD-JUP-RED-SP0T2-F0S -CYCL2	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-RED-SP0T2-F0S -CYCL3	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	3	1
RD-JUP-SEB1-F0SA-CYC	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-SEB1-F0SA-CYC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-SEB1-F0SB-CYC	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-SEB1-F0SB-CYC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-SEB1-F0SC-CYC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
RD-JUP-SEB1-F0SC-CYC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1
RD-JUP-SEB2-F0S-CYCL	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	2	1
RD-JUP-SEB2-F0S-CYCL	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	2560	3	1
RD-JUPITER-15DEGN-CM 1-FOSA	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	2560	1	1
RD-JUPITER-15DEGN-CM 1-FOSB	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	1	1
RD-JUPITER-15DEGN-CM 1-FOSC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-15DEGN-CM 2-FOS	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256ø	1	1
RD-JUPITER-20DEGN-CM 1-FOSA	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-20DEGN-CM 1-FOSB	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-20DEGN-CM 1-FOSC	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1 .

Target	RA (2ØØØ)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
RD-JUPITER-20DEGN-CM	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256ø	1	1
2-FOS RD-JUPITER-25DEGN-CM 1-FOSA	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-CM 1-F0SB	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-CM 1-FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-CM 2-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	2560	1	1
RD-JUPITER-25DEGN-LI MB1-F0SA	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-LI MB1-F0SB	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-LI MB1-F0SC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-25DEGN-LI MB2-F0S	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-48DEGN-CM 1-FOSA	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-48DEGN-CM 1-FOSB	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1 .
RD-JUPITER-48DEGN-CM 1-FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-48DEGN-CM 2-F0S	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-48DEGN-LI MB1-F0SA	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-48DEGN-LI MB1-F0SB	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-48DEGN-LI MB1-FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-48DEGN-LI MB2-F0S	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-6DEGN-LIM B1-FOSA	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-6DEGN-LIM B1-FOSB	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-8DEGN-LIM B1-FOSC	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-6DEGN-LIM B2-F0S	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-HILAT-CM1 -FOSA	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-HILAT-CM1 -FOSB	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-HILAT-CM1 -FOSC	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-HILAT-CM2 -FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-HILAT-LIM B1-F0SA	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1

Solar System Targets

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
RD-JUPITER-HILAT-LIM	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	1	1
B1-F0SB RD-JUPITER-HILAT-LIM	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
B1-FOSC RD-JUPITER-HILAT-LIM	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256ø	1	1
B2-FOS RD-JUPITER-PLUME-1A-	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
FOSA RD-JUPITER-PLUME-1A- FOSB	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	1	1
RD-JUPITER-PLUME-1A- FOSC	<b>(S)</b>		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	1	1
RD-JUPITER-PLUME-1B- FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	2560	1	1
RD-JUPITER-PLUME-2A- FOSA	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-PLUME-2A- FOSB	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256ø	1	1
RD-JUPITER-PLUME-2A- FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-PLUME-2B- FOS	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-RED-SPOT1 -FOSA	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-RED-SPOT1 -FOSB	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-RED-SPOT1 -FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-RED-SPOT2 -FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-JUPITER-SEB1-FOSA	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-SEB1-FOSB	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-SEB1-FOSC	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	1	1
RD-JUPITER-SEB2-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	57Ø	256Ø	1	1
RD-SAT-12DEGN-CM-FOS	(s)		FOS/RD	ACCUM	1.Ø	G19ØH		1	78Ø	2560	2	1
-CYCL2			•					-				
RD-SAT-12DEGN-CM-FOS -CYCL2	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	2	1
RD-SAT-12DEGN-CM-FOS -CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1
RD-SAT-12DEGN-CM-FOS -CYCL3	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	3	1
RD-SAT-12DEGS-CM-FOS -CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH .		1	78Ø	256Ø	2	1
RD-SAT-12DEGS-CM-FOS -CYCL2	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	2	1
RD-SAT-12DEGS-CM-FOS -CYCL3	(\$)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1
RD-SAT-12DEGS-CM-FOS -CYCL3	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	3	• 1
RD-SAT-18DEGN-CM-FOS -CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH	•	1	78Ø	256Ø	2	1
RD-SAT-18DEGN-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	2	1
-CYCL2												

•			Inst.	Operating		Spectral	Central	No.	Exp.		Spec.	Total	
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy. Řeq.	Lines	
RD-SAT-18DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256ø	2	1	
RD-SAT-18DEGS-CM-FOS -CYCL3	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1	
RD-SAT-18DEGS-CM-FOS	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256ø	3	1	
RD-SAT-25DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	2	1	
RD-SAT-25DEGN-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	2	1	
RD-SAT-25DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1	
RD-SAT-25DEGN-CM-FOS	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	3	1	
RD-SAT-25DEGS-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	3	1	
RD-SAT-25DEGS-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	12ø	256Ø	3	1	
RD-SAT-32DEGN-CM-FOS -CYCL2	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	2	1	
RD-SAT-32DEGN-CM-FOS	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256ø	2	. 1	
RD-SAT-32DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1	
RD-SAT-32DEGN-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	3	1	
RD-SAT-48DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	2	1	
RD-SAT-48DEGN-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256ø	2	1	
RD-SAT-48DEGN-CM-FOS	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	3	1	
RD-SAT-48DEGN-CM-FOS	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	3	1	
RD-SAT-59DEGN-CM-FOS -CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	2	1	
RD-SAT-59DEGN-CM-FOS -CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	2	1	
RD-SAT-8DEGN-CM-FOS- CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	2	1	
RD-SAT-8DEGN-CM-FOS- CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256ø	2	1	
RD-SAT-6DEGN-CM-FOS- CYCL3	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	3	1	
RD-SAT-6DEGN-CM-FOS- CYCL3	(\$)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	3	1	
RD-SAT-6DEGS-CM-FOS- CYCL2	<b>(</b> S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	2	1	
RD-SAT-8DEGS-CM-FOS- CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256ø	2	1	
RD-SAT-6DEGS-CM-FOS- CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256ø	3	1	
RD-SAT-6DEGS-CM-FOS-	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1	
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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec Cy. Red	
RD-SAT-6DEGS-CM-FOS- CYCL3	<b>(</b> S)		FOS/RD	ACCUM	1.0	G27ØH		1	120	256ø	3	1
RD-SAT-75DEGN-CM-FOS -CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	2	1
RD-SAT-75DEGN-CM-FOS -CYCL2	<b>(</b> \$)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	2	1
RD-SAT-75DEGN-LIMB-F OS-CYCL2	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	2	1
RD-SAT-75DEGN-LIMB-F OS-CYCL2	(S)		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	2	1
RD-SAT-75DEGS-CM-FOS -CYCL3	(S)		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1
RD-SAT-75DEGS-CM-FOS-CYCL3	` '		FOS/RD	ACCUM	1.0	G27ØH		1	12Ø	256Ø	3	1
RD-SAT-75DEGS-LIMB-F OS-CYCL3			FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	256Ø	3	1
RD-SAT-75DEGS-LIMB-F OS-CYCL3			FOS/RD	ACCUM	1.0	G27ØH		1	120	256Ø	3	1
RD-SAT-EQUATR-CM-FOS -CYCL2	` '		FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	2560	2	1
RD-SAT-EQUATR-CM-FOS -CYCL2	• •		FOS/RD	ACCUM	1.0	G27ØH		1	120	2560	2	1
RD-SAT-EQUATR-CM-FOS -CYCL3 RD-SAT-EQUATR-CM-FOS			FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	2560	3	1
-CYCL3 RD-SAT-EQUATR-LIMB-F			FOS/RD FOS/RD	ACCUM	1.0	G27ØH G19ØH		1	12Ø 78Ø	256ø 256ø	3	1
OS-CYCL2 RD-SAT-EQUATR-LIMB-F			FOS/RD	ACCUM	1.0	G27ØH		1	120	2560	2	1 .
OS-CYCL2 RD-SAT-EQUATR-LIMB-F			FOS/RD	ACCUM	1.0	G19ØH		1	78Ø	2560	3	1
OS-CYCL3 RD-SAT-EQUATR-LIMB-F	• •		FOS/RD	ACCUM	1.0	G27ØH		1	120	2560	3	1
OS-CYCL3 SATURN	(S)		PC	IMAGE	ANY	F569W	5320	1	ø	2625	2	1
SATURN	(s)		HRS	ACCUM	2.0	G14ØL	1332	5	596	2625	2	ī
SATURN	(s)		HRS	ACCUM	2.0	G14ØL	1593	5	596	2625	2	1
SATURN-PC-CYCL2	(s)		PC	IMAGE	ALL	F284W		1	9Ø	256Ø	2	2
SATURN-PC-CYCL2	(s)		PC	IMAGE	ALL	F336W		1	10	2560	2	4
SATURN-PC-CYCL2	(s)		PC	IMAGE	ALL	F413M		ī	2	256Ø	2	2
SATURN-PC-CYCL2	(š)		PC	IMAGE	ALL	F631N		ī		256Ø		~
SATURN-PC-CYCL2	(3)								6Ø		2	2
	(s)		PC	IMAGE	ALL	F718M		1	Ø	2560	2	2
SATURN-PC-CYCL2	(s)		PC	IMAGE	ALL	F718M		1	1	256Ø	2	2
SATURN-PC-CYCL2	(S)		PC	IMAGE	ALL	F889N		1	18Ø	256Ø	2	2
SATURN-PC-CYCL2	(s)		PC	IMAGE	ALL	F1Ø42M		1	13	256Ø	2	2
SATURN-PC-CYCL3	(S)		PC	IMAGE	ALL	F284W		1	9Ø	256Ø	3	2
SATURN-PC-CYCL3	(S)		PC	IMAGE	ALL	F336W		1		256Ø	3	4
SATURN-PC-CYCL3	ζšί		PC	IMAGE	ALL	F413M		î	2	2560	3	
SATURN-PC-CYCL3	75		PC	IMAGE	ALL	F631N						2
SATURN-PC-CYCL3	(3)							1	6Ø	2560	3	2
	(S) (S) (S) (S) (S)		PC	IMAGE	ALL	F718M		1	Ø	256Ø	3	2
SATURN-PC-CYCL3	(3)		PC	IMAGE	ALL	F718M		1		256Ø	3	2 2 2
SATURN-PC-CYCL3	(s)		PC	IMAGE	ALL	F889N		1	18Ø	256Ø	3	2
SATURN-PC-CYCL3	(s)		FOS/RD	ACCUM	1.0	G27ØH		1	3Ø	256Ø	3	1

Solar System Targets

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID		Spec. Req.	Total Lines
SATURN-PC-CYCL3	(S)		PC	IMAGE	ALL	F1Ø42M		1	13	256ø	3		2
SATURN-WATER-NORTH	(S)		F0C/96	IMAGE	512X1Ø24	F190M F220W		1	600	2727	1		ī
SATURN-WATER-NORTH	(S)		F0C/96	IMAGE	512X1Ø24	F17ØM F175W		5	1548	2727	1		1
TI-ACQ	(S)		FOS/RD	ACQ/PEAK	1.0	G27ØH		1	Ø	256Ø	2	ACQ	2
TI-ACQ	(S)		FOS/RD	ACQ/PEAK	4.3	G27ØH		1	Ø	256Ø	2	ACQ	1
TI-ACQ	(S)		FOS/RD	ACQ/PEAK	1.0	G27ØH		1	Ø	256Ø	3	ACQ	2
TI-ACQ	(S)		FOS/RD	ACQ PEAK	4.3	G27ØH		1	Ø	256Ø	3	ACQ	1
TI-ACQ	(s)		F0S/BL	ACQ/PEAK	1.0	G19ØH		1	1	256Ø	2	ACQ	2
TI-ACQ	(S)		FOS/BL	ACQ/PEAK	4.3	G19ØH		1	1	256Ø	2	ACQ	1
TI-AÇQ	(s)		F0S/BL	ACQ/PEAK		G19ØH		1	1	256Ø	3	ACQ	1
TI-ACQ	(s)		F0S/BL	ACQ/PEAK	1.0	G19ØH		1	1	256Ø	3	ACQ	1
TI-ACQ	(s)		F0S/BL	ACQ/PEAK	4.3	G19ØH		1	1	256Ø	3	ACQ	1
TITAN	(S)		PC	IMAGE	P8	F284W		1	600	2562	1	•	1
TITAN	(S)		PC	IMAGE	P8	F336W		1	100	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F368M		1	5Ø	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F588N		1	6Ø	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F631N		1	5Ø	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F889N		1	100	2562	1		1
TITAN	(S)		PC -	IMAGE	P8	F439W		1	23	2562	1		1
TITAN	: (S)		PC	IMAGE	P8	F517N		1	35	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F673N		1	26	2562	1		1
TITAN	(S)		PC	IMAGE	P8	F1Ø42M		1	6Ø	2562	1		1
VENUS	(S)		HRS	ACCUM	2.0	ECH-A	1215	5	600	2393	1		1
WIRTANEN	(S)		WFC	IMAGE	ALL	F791W		1	4Ø	2856	1		6
WIRTANEN	(S)		F0S/BL	ACQ/FIRM	4.3	MIRROR		1	200	2856	1	ACQ	6
WIRTANEN	(S)		FOS/BL	ACCUM	1.Ø-PAIR	G27ØH	2769	1	96Ø	2856	1	•	6

# 4.7 GENERIC-TARGET OBSERVATIONS FOR GO PROGRAMS

Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Cy.	Spec. Req.	Total Lines
COMET-BRIGHT	(0)		WFC	IMAGE	; ALL	F791W				0.400	_		
COMET-BRIGHT	(G) (G)		FOS/BL			MIRROR		1	1	2483	1	ACQ	1
COMET-BRIGHT	(G)		FOS/RD	ACQ/FIRM ACQ/FIRM		MIRROR		1	5	2483	1	ACQ	15
COMET-BRIGHT	(G)		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1270	1	700	2483	1	ACQ	4
COMET-BRIGHT	(G)		FOS/BL	ACCUM	1.Ø-PAIR	G13ØH	1379	1	72Ø	2483	1		2
COMET-BRIGHT	(G) (G)		FOS/BL	ACCUM	1.Ø-PAIR	G19ØH	1379	1	96Ø	2483	1		3
COMET-BRIGHT	(G)		FOS/BL	ACCUM	1.Ø-PAIR		1944	1	720	2483	1		2
COMET-BRIGHT	(G)		FOS/BL	ACCUM	1.Ø-PAIR	G19ØH	1944	1	.96Ø	2483	1		3
COMET-BRIGHT	(G) (G)		FOS/BL	ACCUM	1.Ø-PAIR	G27ØH G27ØH	2769 2769	1 1	120	2483	1		6
COMET-BRIGHT	(G)		FOS/BL	ACCUM	1.Ø-PAIR	G27ØH	2769 2769	1	72Ø 96Ø	2483	1		2
COMET-BRIGHT	(G)		FOS/RD	ACCUM	1.Ø-PAIR	G27ØH	2753	1		2483	.1		3
COMET-BRIGHT	(G)		FOS/RD	ACCUM	1.Ø-PAIR	G4ØØH		_	120	2483	1		2
COMET-BRIGHT	(G) (G)		FOS/RD	ACCUM	1.Ø-PAIR	G400H G400H	4013	1	720	2483	1		1
COMET-BRIGHT	(G)			ACCUM	1.Ø-PAIR	G57ØH	4013	1	96Ø	2483	1		1
COMET-BRIGHT			FOS/RD		1.0-PAIR		5691	1	720	2483	1		1
COMET-BRIGHT	(G)		FOS/RD WFC	ACCUM		G57ØH	5691	1	96Ø	2483	1		1
COMET-TBD	(G) (G)			IMAGE	ALL	F791W		1	1	2442	1		8
COMET-TBD			WFC	IMAGE	ALL	F791W		1	1	2442	1	ACQ	1
	(G)		WFC	IMAGE	ALL	F791W		1	1	2657	1		3
COMET-TBD	(G)		WFC	IMAGE	ALL	F791W		1	1	2657	1.	ACQ	1
COMET-TBD	(G)		HRS	ACCUM	2.0	G16ØM	1550	1	1800	2442	1		1
COMET TRD	(G)		HRS	ACCUM	2.0	ECH-B	283Ø	1	2100	2657	1		1
COMET-TBD	(G)		HRS	ACCUM	2.0	G14ØL	1545	1	1800	2442	1		1
COMET-TBD	(G)		HRS	ACCUM	2.0	G16ØM	1495	1	1800	2442	1		1
COMET-TBD	(G)		HRS	ACCUM	2.0	G16ØM	1595	1	1800	2442	1		1
COMET-TBD	(G)		HRS	ACCUM	2.0	G27ØM	2905	1	1500	2442	1		2
COMET-TBD	(G)		HRS	ACCUM	2.0	G27ØM	3Ø95	1	48Ø	2657	1		1
COMET-TBD	(G)		HRS	ACCUM	2.0	G27ØM	2842	1	1500	2442	1		2
COMET-TBD	(G)		HRS	ACCUM	2.0	G27ØM	2578	1	192Ø	2657	1		1
COMET-TBD	(G)	•	HRS	ACCUM	Ø.25	G27ØM	2578	1	3000	2657	1		1
COMET-TBD	(G)		FOS/RD	ACQ/FIRM		MIRROR		1	. 1	2657	1	ACQ	1
COMET-TBD-10000KM-OF FNUC	<b>\</b> ->		WFC	IMAGE	ALL	F791W		1	. 1	2442	1		3
COMET-TBD-10000KM-OF FNUC	= (G)		HRS	ACCUM	2.0	G16ØM	155ø	1	1500	2442	1		1
COMET-TBD-10000KM-OF	= (G)		HRS	ACCUM	2.0	G14ØL	1545	1	900	2442	1		1
COMET-TBD-10000KM-OF	= (G)		HRS	ACCUM	2.0	G16ØM	1495	1	1500	2442	1		1
FNUC													
COMET-TBD-2ARCSEC	(G)		HRS	ACCUM	2.0	G27ØM	3Ø95	1	6ØØ	2657	1		1
COMET-TBD-2ARCSEC-OF FNUC	= (G)		WFC	IMAGE	ALL	F791W		1	1	2442	1		1
COMET-TBD-2ARCSEC-OF FNUC	= (G)		HRS	ACCUM	2.0	G27ØM	2842	1	1500	2442	1		1
COMET-TBD-4ARCSEC	(G)		WFC [*]	IMAGE	ALL	F791W		1	1	2657	1		1
COMET-TBD-4ARCSEC	(G)		HRS	ACCUM	2.0	G27ØM	3Ø95	î	900	2657	i		1
ISM	(G)		HRS	ACCUM	2.0	ECH-A	1217	125	8Ø	2603	1		1
ISM	(G)		HRS	ACCUM	ø.25	ECH-A	1217	112	600	2603	_		
MOVING-OBJ	(G)		PC	IMAGE	ALL	F7Ø2W	1211	1	100	2432	1		1
MOVING-OBJ	(G)		PC	IMAGE	ALL	F439W		1	1200	2432	1		1
MOVING-OBJ	(G)		PC	IMAGE	ALL	F555W		1	150	2432	1		1
MOVING-OBJ	(G)		WFC	IMAGE	ALL	F555W		1	2400	2432	1		1
NOVA-FIELD-1	(G)		WFC	IMAGE	ALL	F284W		1	1800	2797	1		2 1
	(4)		0	±111/1 1 WL		1 20 111		1	1000	2131	T		1

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Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.	No. Exp.	Exp. Time	ID	Spec. Cy. Req.	Total Lines
NOVA-FIELD-2	(G)		WFC	IMAGE	ALL	F284W		1	1800	2797	1	1
NOVA-FIELD-2	(Ġ)		WFC	IMAGE	ALL	F284W		1	1932	2797	ī	ī
SN199Ø	(G)		PC	IMAGE	P8	F439W		1	300	2563	1	1
SN199Ø	(G)		PC	IMAGE	P8	F439W		1	600	2563	1	2
SN199Ø	(G)		PC	IMAGE	P8	F555W		1	3ØØ	2563	1	2
SN199Ø	(G)		PC	IMAGE	P8	F555W		1	600	2563	1	4
SN199Ø	(G)		PC	IMAGE	P8	F648M		1	300	2563	1	1
SN199Ø	(G)		PC	IMAGE	P8	F648M		1	600	2563	1	2
SN199Ø	(G)		PC	IMAGE	P8	F7Ø2W		1	300	2563	1	1
SN199Ø	(G)		PC	IMAGE	P8	F7Ø2W		1	6ØØ	2563	1	2
SN1990	(G)		PC	IMAGE	P8	F439W		1	600	2563	2	3
SN199Ø	(G)		PC	IMAGE	P8	F555W		1	600	2563	2	6
SN199Ø	(G)		PÇ	IMAGE	P8	F648M		1	600	2563	2	3
SN199Ø	(G)		PC	IMAGE	P8	F7Ø2W		1	600	2563	2	3
SN199Ø	(G)		PC	IMAGE	P8	F785LP		1	3ØØ	2563	1	1
SN199Ø	(G)		PC	IMAGE	P8	F785LP		1	6ØØ	2563	<b>. 1</b>	2
SN199Ø	(G)		PC	IMAGE	P8	F785LP		1	6ØØ	2563	2	3
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G16ØL	2076	1	3000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G27ØH	2769	1	3000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G4ØØH	4040	1	1000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G4ØØH	4040	1	2000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G57ØH	5691	1	1000	2563	. 1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G57ØH	5691	1	2000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G78ØH	7756	1	1000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G78ØH	7756	1	2000	2563	1	1
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G16ØL	2076	1	3000	2563	2	2
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G27ØH	2769	1	3000	2563	2	2
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G4ØØH	4040	1	2000	2563	2	2
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G57ØH	5691	1	2000	2563	2	2
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G78ØH	7756	1	2000	2563	2	2
SN199Ø	(G)		FOS/RD	ACCUM	Ø.5	G16ØL	2076	1	1500	2563	1	1
SN199Ø	(G)	•	FOS/RD	ACCUM	Ø.5	G16ØL	2076		2100	2563	1	1
SN199Ø	(G) (G)		FOS/RD FOS/RD	ACCUM	Ø.5	G27ØH	2769	1	1500	2563	1	1
SN199Ø SN199Ø	(G)		FOS/RD	ACCUM ACCUM	Ø.5 Ø.5	G27ØH	2769	1	2100	2563	1	1
SN1990	(G)		FOS/RD	ACCUM	Ø.5 Ø.5	G4ØØH	4040 5691	1 1	1400 1400	2563 2563	1	1
SN1990	(G)		FOS/RD	ACCUM	Ø.5 Ø.5	G57ØH G78ØH	7756	1	1400	2563	1	1
SN1991	(G)		PC	IMAGE	ANY	F439W	1150	1	500	2563	2	2
SN1991	(G)		PC	IMAGE	ANY	F555W		1	500 500	2563	2	2
SN1991	(G)		PC	IMAGE	ANY	F648M		1	1000	2563	2	2
SN1991	(G)		PC	IMAGE	ANY	F7Ø2W		1	500	2563	2	2
SN1991	(G)		PC	IMAGE	ANY	F439W		1	5ØØ	2563	3	2
SN1991	(G)		PC	IMAGE	ANY	F555W		1	5ØØ	2563	3	2
SN1991	(G)		PC	IMAGE	ANY	F648M		i	1000	2563	3	2
SN1991	(G)		PC	IMAGE	ANY	F7Ø2W		1	500	2563	3	2
SN1991	(G)		PC	IMAGE	ANY	F785LP		1	500 500	2563	2	2
SN1991	(G)		PC	IMAGE	ANY	F785LP		1	500 500	2563	3	2
SN1991	(G)		WFC	IMAGE	ANY	F439W		1	2	2563	2	1
SN1991	(G)		HRS	ACCUM	Ø.25	G14ØM	1400	i	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25 Ø.25	G140M G200M	1800	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G27ØM	2Ø6Ø	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G27ØM	2800	i	1000	2563	2	2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(4)			ACCOM	2.20	GEIDM	2000	_	1000	2000	_	~

<b>3</b>												
			Inst.	Operating		Spectral	Central	No.	Exp.		Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	. Time	ID	Cy. Req.	Lines
SN1991	(G)		HRS	ACCUM	Ø.25	G14ØM	1215	1	1000	2563	2	2
SN1991	(Ġ)		HRS	ACCUM	Ø.25	G14ØM	1235	1	1000	2563	2	2
SN1991	(Ĝ)		HRS	ACCUM	Ø.25	G14ØM	1255	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G16ØM	1335	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G14ØM	1277		1000	2563	2	2
SN1991	(Ğ)		HRS	ACCUM	Ø.25	G16ØM	1303		1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G16ØM	1528	ī	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G16ØM	1668	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G2ØØM	1858	1	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G27ØM	2378	i	1000	2563	2	2
SN1991	(G)		HRS	ACCUM	Ø.25	G27ØM	2848	i	1000	2563	. —	2
SN1991	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	300	2563	2	2
SN1991	(G)		FOS/RD	ACCUM	1.0	PRISM	5400 5400		5ØØ	2563	2	1
SN1991				ACCUM	1.0	PRISM		1			2	2
	(G)		FOS/RD FOS/RD				5400	1	600	2563	2	3
SN1991	(G)			ACCUM	1.0	PRISM	5400	1	1000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	1250	2563	2	1
SN1991	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	1500	2563	3	2
SN1991	(G)		FOS/BL	ACCUM	1.0	G13ØH	1379	1	1000	2563	2	1
SN1991	(G)		FOS/BL	ACCUM	1.0	G13ØH	1379	1	2000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	G16ØL	2076	1	1000	2563	2	2
SN1991	(G)		FOS/RD	ACCUM	1.0	G16ØL	2076	1	2000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	G19ØH	198Ø	1	1000	2563	2	1
SN1991	(G)		FOS/RD	ACCUM	1.0	G19ØH	1980	1	2000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753	1	500	2563	2	1
SN1991	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753	1	1000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.Ø	G27ØH	2753	1	3000	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4Ø13	1	3ØØ	2563	2	1
SN1991	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4Ø13	1	600	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.Ø	G57ØH	5691	1	3ØØ	2563	2	1
SN1991	(G)		FOS/RD	ACCUM	1.Ø	G57ØH	5691	1	600	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.Ø	G16ØL	2076	1	3000	2563	3	2
SN1991	(Ġ)		FOS/RD	ACCUM	1.0	G16ØL	2076	1	25ØØ	2563	2	1
SN1991	(Ġ)		FOS/RD	ACCUM	1.0	G27ØH	2753	1	1500	2563	2	2
SN1991	(Ġ)		FOS/RD	ACCUM	1.0	G27ØH	2753	1	375Ø	2563	2	- 1
SN1991	(Ġ)		FOS/RD	ACCUM	1.0	G4ØØH	4013	ī	75Ø	2563	2	2
SN1991	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	ī	1500	2563	2	3
SN1991	(Ġ)		FOS/RD	ACCUM	1.Ø	G57ØH	5691	ī	75Ø	2563	2	2
SN1991	(Ĝ)		FOS/RD	ACCUM	1.0	G57ØH	5691	ī	1500	2563	2	3
SN1991	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753	ī	4500	2563	3	2
SN1991	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	i	225Ø	2563	3	2
SN1991	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691	ī	225Ø	2563	3	2
SN1991	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	i	1875	2563		
SN1991			FOS/RD	ACCUM	1.0	G57ØH					2	1
SN1991 SN1992	(G)			IMAGE	ANY	F439W	5691	1	1875	2563	2	1
	(G)		PC					1	500	2563	3	1
SN1992	(G)		PC	IMAGE	ANY	F555W		1	500	2563	3	1
SN1992	(G)		PC	IMAGE	ANY	F648M		1	1000	2563	3	1
SN1992	(G)		PC	IMAGE	ANY	F7Ø2W		1	5ØØ	2563	3	1
SN1992	(G)		PC	IMAGE	ANY	F785LP		1	5ØØ	2563	3	1
SN1992	(G)		WFC	IMAGE	ANY	F439W		1	2	2563	3	1
SN1992	(G)		HRS	ACCUM	Ø.25	G14ØM	1400	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G2ØØM	1800	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G27ØM	2060	1	1000	2563	3	2

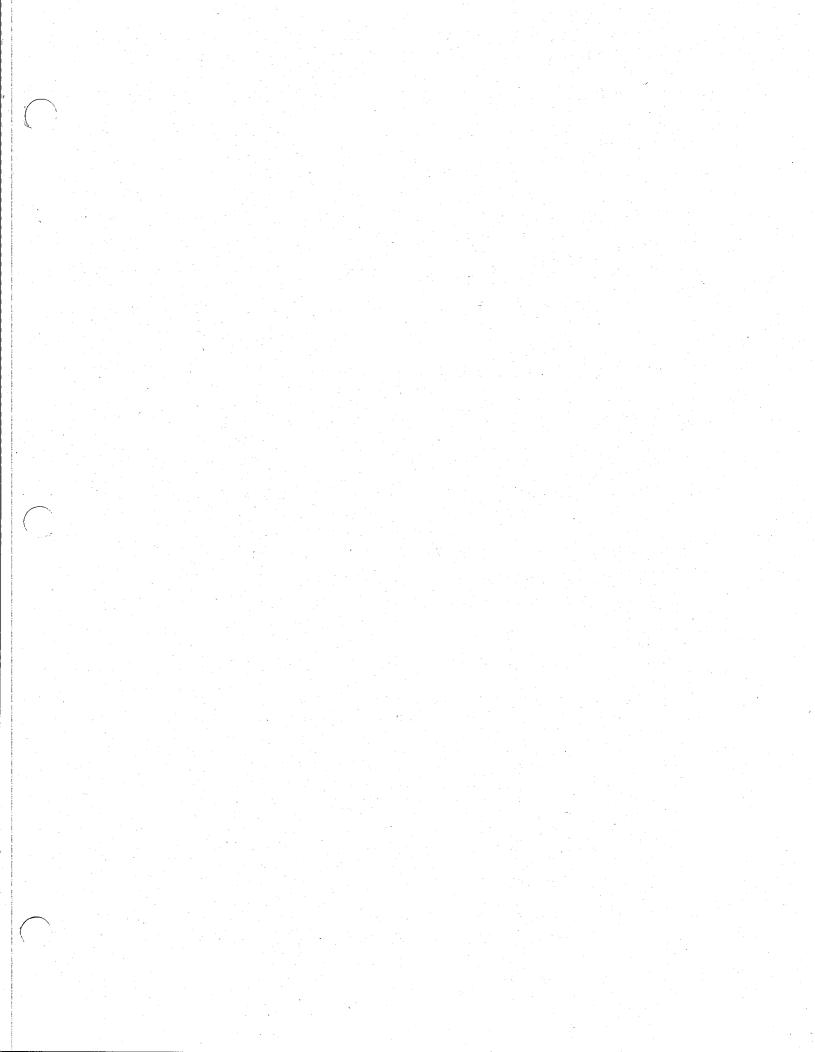
Target	RA (2000)	Dec (2000)	Inst. Config.	Operating Mode	Aperture	Spectral Element	Central Wave.		Exp. Time	ID	Spec. Cy. Req.	Total Lines
SN1992	(G)		HRS	ACCUM	Ø.25	G27ØM	28ØØ	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G14ØM	1215	1	1000	2563	3	2 2
SN1992	(G)		HRS	ACCUM	Ø.25	G14ØM	1235	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G14ØM	1255	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G16ØM	1335	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G14ØM	1277	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G16ØM	13Ø3	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G16ØM	1528	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G16ØM	1668	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G2ØØM	1858	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G27ØM	2378	1	1000	2563	3	2
SN1992	(G)		HRS	ACCUM	Ø.25	G27ØM	2848	1	1000	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	3ØØ	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.Ø	PRISM	5400	1	5ØØ	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	600	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	PRISM	5400	1	1000	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	PRISM	5400		125Ø	2563	3	1
SN1992	(G)		F0S/BL	ACCUM	1.Ø	G13ØH	1379		1000	2563	3	1
SN1992	(G)		F0S/BL	ACCUM	1.0	G13ØH	1379		2000	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	G16ØL	2076		1000	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G16ØL	2076		2000	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G19ØH	1980		1000	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G19ØH	1980		2000	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753	1	5 <b>00</b>	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753		1000	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753		3000	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	1	300	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	1	600	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691	1	300	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691	1	600	2563	3	3
SN1992	(G)		FOS/RD	ACCUM	1.0	G16ØL	2076		25ØØ	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753		1500	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G27ØH	2753		375Ø	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013	1	75Ø	2563	3	2 2
SN1992	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013		15ØØ	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691	1	75Ø	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691		15ØØ	2563	3	2
SN1992	(G)		FOS/RD	ACCUM	1.0	G4ØØH	4013		1875	2563	3	1
SN1992	(G)		FOS/RD	ACCUM	1.0	G57ØH	5691	1	1875	2563	3	1

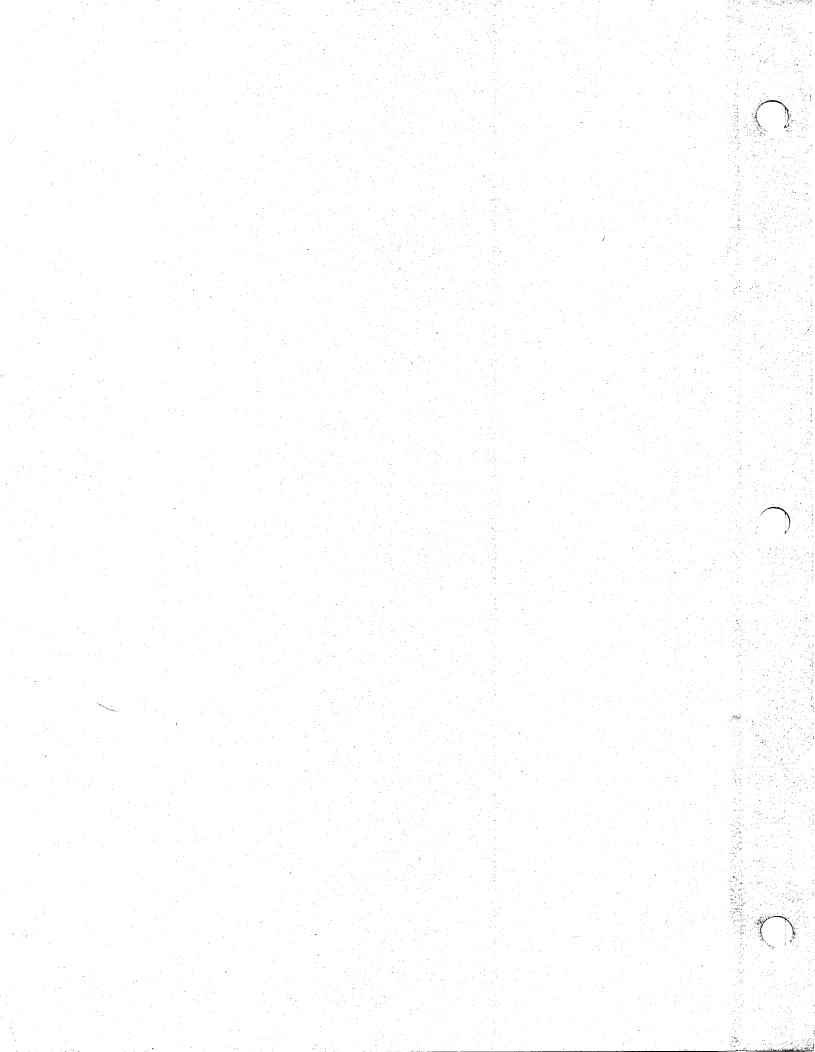
4.8 PARALLEL-TARGET OBSERVATIONS FOR GO PROGRAMS

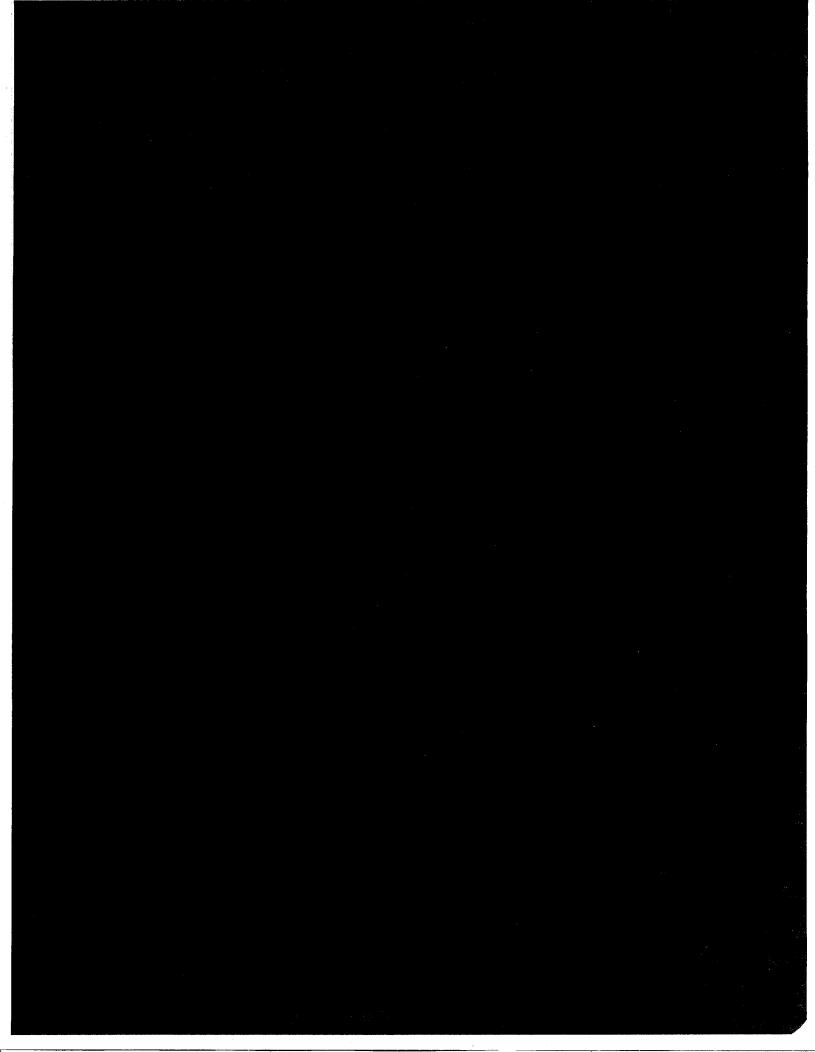
	()		Inst.	Operating		Spectral	Central	No.	Exp.			Spec.	Total
Target	RA (2000)	Dec (2000)	Config.	Mode	Aperture	Element	Wave.	Exp.	Time	ID	Cy.	Req.	Lines
G11-FIELD	(G)		PC	IMAGE	ANY	F555W		1	921	2583	1	PAR	1
G11-FIELD	(G)		PC	IMAGE	ANY	F785LP		ī	3978	2583	ī	PAR	i
G2-FIELD	(Ġ)		PC	IMAGE	ANY	F555W		î	1700	2583	ī	PAR	i
G2-FIELD	(G)		PC	IMAGE	ANY	F785LP		1	734Ø	2583	i	PAR	1
G244-FIELD	(G)		PC	IMAGE	ANY	F555W		i	1700	2583	î	PAR	i
G244-FIELD	(G)		PČ	IMAGE	ANY	F785LP		1	7340	2583	i	PAR	1
G305-FIELD	(G)		PC	IMAGE	ANY	F555W		1	1700	2583	1	PAR	1
G305-FIELD	(G)		PC	IMAGE	ANY	F785LP		1	7340	2583	1	PAR	1
G319-FIELD	(G)		PČ	IMAGE	ANY	F555W		1	1700	2583	1	PAR	1
G319-FIELD	(G)		PC	IMAGE	ANY	F785LP		1	7340	2583	1	PAR	1
G322-FIELD	(G)		PC	IMAGE	ANY	F555W		1	921	2583		PAR	1
G322-FIELD	(G)		PC	IMAGE	ANY	F785LP		1	3978	2583	1	PAR	_
G64-FIELD	(G)		PC	IMAGE	ANY	F555W		-	1700	2583	1		1
G64-FIELD	(G)		PC	IMAGE	ANY	F785LP		1			1	PAR	1
	(G)		WFC	IMAGE	ALL	F555W		1	7340	2583	1	PAR	1
HI-LAT			WFC	IMAGE	ALL			1	1000	2684	1	PAR	6
HI-LAT	(G) (G)		WFC	IMAGE		G45ØL			2000	2684	. 1	PAR	6
HI-LAT	(6)		WFC	IMAGE	ALL	G8ØØL		1	2000	2684	1	PAR	8
HI-LAT	(G)		WFC	IMAGE	ALL	F336W		1	2500	2684	1	PAR	27
HI-LAT	(G)				ALL	F439W		1	2500	2684	1	PAR	34
HI-LAT	(G)		WFC	IMAGE	ALL	F555W		1	1200	2684	1	PAR	1Ø5
HI-LAT	(G)		WFC	IMAGE	ALL.	F555W		1	25ØØ	2684	1	PAR	69
HI-LAT	(G)		WFC	IMAGE	ALL	G45ØL			1200	2684	1	PAR	5
HI-LAT	(G)		WFC	IMAGE	ALL	G45ØL			2500	2684	1	PAR	3
HI-LAT	(G)		WFC	IMAGE	ALL	G8ØØL			1200	2684	1	PAR	15
HI-LAT	(G)		WFC	IMAGE	ALL	G8ØØL			2500	2684	1	PAR	3
HI-LAT	(G)		WFC	IMAGE	ALL	F785LP		1	1200	2684	1	PAR	115
HI-LAT	(G)		WFC	IMAGE	ALL	F785LP		1	2500	2684	1	PAR	71
HI-LAT	(G)		F0C/48	IMAGE	512X512	F15ØW		1	2500	2684	1	PAR	10
HI-LAT	(G)		F0C/48	IMAGE	512X512	F275W		1	1200	2684	1	PAR	10
HI-LAT	(G)		F0C/48	IMAGE	512X512	F275W			2500	2684	1	PAR	10
HI-LAT	(G)		F0C/48	IMAGE	512X512	PRISM1		1	2500	2684	1	PAR	5
IO-TORUS-W	(S)		FOS/BL	ACCUM	1.0	G13ØH	1300	5	33Ø	2627	1	PAR	1
IO-W	(S)		F0S/BL	ACCUM	1.Ø	G13ØH	1300	6	27Ø	2627	1	PAR	1
LO-LAT	(G)		PC ·	IMAGE	ALL	F336W		1	25ØØ	2684	1	PAR	8
LO-LAT	(G)		PC	IMAGE	ALL	F555W		1	1200	2684	1	PAR	2Ø
LO-LAT	(G)		PC	IMAGE	ALL	F555W		1	2500	2684	1	PAR	18
LO-LAT	(G)		PC	IMAGE	ALL	G45ØL		1	25ØØ	2684	1	PAR	3
LO-LAT	(G)		PC	IMAGE	ALL	F785LP		1	1200	2684	1	PAR	2Ø
LO-LAT	(G)		PC	IMAGE	ALL	F785LP		1	2500	2684	1	PAR	18
NGC4151-P0S1	-	-	WFC	IMAGE	ANY	F439W		1	27ØØ	2230	1	PAR	1
NGC4151-P0S1	-	-	WFC	IMAGE	ANY	F555W		1	2400	2230	1	PAR	1
NGC4151-POS1	-	-	WFC	IMAGE	ANY	F7Ø2W		1	2400	223Ø	1	PAR	1
NGC4151-P0S2	-	-	WFC	IMAGE	ANY	F439W		1	27ØØ	2230	1	PAR	1
NGC4151-P0S2	-	_	WFC	IMAGE	ANY	F555W		1	27ØØ	2230	1	PAR	1
NGC4151-P0S2	-	-	WFC	IMAGE	ANY	F7Ø2W		1	27ØØ	2230	1	PAR	1
NGC4151-P0S3	_	-	WFC	IMAGE	ANY	F555W		1	2700	2230	1	PAR	. 1
NGC4151-POS3	-	-	WFC	IMAGE	ANY	F7Ø2W		1	2700	2230	1	PAR	1
NGC4151-P0S4	_	_	WFC	IMAGE	ANY	F555W		1	2700	2230	1	PAR	1
NGC4151-P0S4	-	_	WFC	IMAGE	ANY	F7Ø2W			2700	223Ø	1	PAR	ī
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